Office of the Registrar

# Undergraduate Catalog



This is the official catalog of all University course offerings, undergraduate programs, policies and requirements. Refer to the Graduate Catalog for graduate programs, policies and requirements.

**Majors and Minors** **Courses**

**Colleges and Academic Units**

**Academic Policies/Requirements**

**General University Information**

### Which catalog do students follow?

Refer to the Catalog of Graduation policy to determine which year's catalog must be followed to meet your degree requirements. View previous year's catalogs in the Catalog Archive.

## First edition

2017-18 (effective Fall 2017)

## Publishing schedule

**First edition**

July 2017 (effective Fall 2017)

**Second edition**

October 2017 (effective Spring 2018)

**Preliminary 2018-19 catalog**

April 2018 (effective Fall 2018)

# General University Information

2017-18 Academic Calendar

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Glossary of Terms

Policies

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## Learn about Missouri State

(Campuses; Centers for Research and Service; Governance; History of the University; and Mission, Vision and Values)

### Other University websites

Admissions Office

Financial Aid Office

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Missouri State Outreach *Learn more about Online, iCourses, Evening College Plus, off-campus, high school dual credit, and summer classes.*

Residence Life, Housing and Dining Services

# 2017-18 Academic Calendar

## Fall 2017

- **August 7 —** Fall Intersession classes begin
- **August 18 —** Fall Intersession classes end
- **August 21 —** Classes begin
- **September 4 —** Labor Day holiday (no classes)
- **October 10 —** First Block classes end
- **October 11 —** First Bock final exams
- **October 12-13** — Fall Holiday (no classes)
- **October 16 —** Second Block classes begin
- **November 21 —** Thursday evening classes (4:00 pm or later) meet; Tuesday evening classes do not meet
- **November 22-26 —** Thanksgiving Holiday (no classes)
- **December 7 —** Last day of classes
- **December 8 —** Study Day (no classes)
- **December 9-14 —** Final exams period for full semester and second Block classes
- **December 15 —** Commencement

## Spring 2018

- **January 8 —** Winter Intersession classes begin
- **January 12 —** Winter Intersession classes end
- **January 15 —** Martin Luther King Jr. Holiday (no classes)
- **January 16 —** Classes begin
- **February 19 —** Presidents' Day Holiday (no classes)
- **February 21 —** Monday evening classes (4:00 pm or later) meet; Wednesday evening classes do not meet
- **March 8 —** First block classes end
- **March 9 —** First block final exams
- **March 10-18 —** Spring Break (no classes)
- **March 19 —** Second block classes begin
- **March 29-April 1** — Spring Holiday (no classes)
- **May 10 —** Last day of classes
- **May 11 —** Study Day (no classes)
- **May 12-17 —** Final exams period for full semester and second bock classes
- **May 18 —** Commencement

## Summer 2018

- **May 21 —** Summer Intersession classes begin
- **May 28 —** Memorial Day Holiday (no classes)
- **June 8 —** Summer Intersession classes end
- **June 11 —** Classes begin
- **July 4 —** Independence Day Holiday (no classes)
- **August 1** — Last day of classes
- **August 2-3 —** Final exam period

# Accreditations

The University's regional accreditation is through the Higher Learning Commission. On a 10-year review cycle, Missouri State University has been continuously accredited by the Higher Learning Commission or its predecessor, North Central Association since 1915. HLC accreditation is for the entire University not specific academic programs.

HLC accreditation data

Academic programs having an accreditation review process with similar goals as the MSU program review are given the opportunity to utilize the accreditation process as its periodic review. Reports from the accreditation evaluators are used in a manner similar to reports from an external evaluator for further deliberation by the department/program which then prepares a response. While program review is on a seven-year cycle, accreditation varies from 5–10 years. Programs may use the accreditation cycle with approval from the provost and respective deans.

In addition to the college, department and specific program, information concerning the accrediting or certifying body, year first accredited, dates of past and future site visits, and links to evaluation reports may be found. Notification of accreditation letters are also available to view.

## Accreditations

| Accrediting Body | College / Dept. | Program | Cycle | Start of Current Cert. | Cert. Expires | Comments |
|---|---|---|---|---|---|---|
| **AACSB International** | College of Business | All B.S. in Business; All Master programs | 5 yr | Spring 2013 | Fall 2017 | Site visit will be in 2017–2018 |
| **ABET - Computing Accreditation Commission** | Computer Science | Bachelor of Science Computer Science | | | | |
| **Academy of Nutrition and Dietetics—** | Biomedical Sciences | Dietetic Internship Certificate | 7 yr | July 2016 | FA 2023 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Accreditation Council for Education in Nutrition and Dietetics (ACEND)** | | Program | | | | |
| **Accreditation Commission for Programs in Hospitality Administration** | Hospitality Leadership | Bachelor of Science—Hospitality & Restaurant Administration | 7 yr | SU 2011 | SU 2018 | |
| **Accreditation Review Commission on Education for the Physician Assistant, Inc.** | Physician Assistant Studies | Master of Science in Physician Assistant Studies | 7 yr | March 2012 | SP 2019 | |
| **Accreditation Council for Occupational Therapy Education (ACOTE)** | Occupational Therapy | Master of Occupational Therapy Program | 7 yr | 2017 | 2024 | Interim report due 2020. Onsite evaluation will be scheduled within the 2023/2024 academic year. |
| **American Council for Construction Education** | Technology & Construction Management | BS in Construction Management | 6 yr | Feb 2017 | SP 2023 | Next site visit in fall 2022 |
| **Academy of Nutrition and Dietetics—Accreditation Council for Education in Nutrition and Dietetics** | Biomedical Sciences | Bachelor of Science in Dietetics | 7 yr | April 2014 | 2022 | Site visit in fall 2021. |
| **American Physical Therapy Association—Commission on Accreditation in Physical Therapy Education** | Physical Therapy | Doctor of Physical Therapy | 10 yr | Oct 2008 | Dec 2018 | Contact Dr. Sean Newton Acting Dept. Head, or Kaya (Katy) Day, Administrative Asst. for details. |
| **Commission** | Sports | Bachelor of | 10 yr | Dec 2013 | SP | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **on Accreditation of Athletic Training Education** | Medicine & Athletic Training | Science in Athletic Training | | | 2023 | |
| **Commission on Collegiate Nursing Education** | School of Nursing | All Bachelor and Master programs | 10 yr | Nov 2009 | FA 2019 | Progress report to CCNE in Dec. 2014. |
| **Commission on Collegiate Nursing Education** | School of Nursing | Doctor of Nurse Practice | 5 yr | Sept 2014 | SU 2020 | Site visit will be fall of 2019. Website address - www.aacn.nche.edu/ccne accreditation |
| **Commission on English Language Program Accreditation** | English Language Institute | English Language Institute | Initial 5yr, then 10 yr maximum | Aug 2015 | FA 2025 | |
| **Council for Accreditation of Counseling and Related Educational Programs** | Counseling, Leadership and Special Education | MS Clinical Mental Health Counseling<br>MS School Counseling | 6 yr | Spring 2017 | Spring 2023 | |
| **Council on Academic Accreditation in Audiology and Speech-Language Pathology** | Communication Sciences & Disorders | CSD options in Speech-Language Pathology (MS) | 8 yr | Nov 2009 | Oct 2017 | |
| **Council on Academic Accreditation in Audiology and Speech-Language Pathology** | Communication Sciences & Disorders | Doctor of Audiology | 8 yr | Nov 2009 | Oct 2017 | |
| **Council on Accreditation of Nurse Anesthesia Educational Programs** | Biomedical Sciences | Doctorate of Nurse Anesthesia Practice, Entry Level<br>Doctorate of Nurse Anesthesia Practice - | 10 yr | Nov 2016 | Fall 2026 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | Completion<br>Master of Science in Nurse Anesthesia, Entry Level<br>Master of Science in Nurse Anesthesia, Completion | | | | |
| **Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT)** | Kinesiology | Bachelor of Science Recreation, Sport, and Park Administration | 7 yr | Oct 2015 | FA 2022 | Prior to the fall of 2022, the program will submit ar updated self-study for review by Council. |
| **Council on Education for Public Health** | Master of Public Health Program | Master of Public Health | 5 yr, then 7 yr | Oct 2012 | Dec 2017 | Initial accred. for maximum of 5 yrs., then typically review cycle is 7 yrs. |
| **Council on Education of the Deaf** | Communication Sciences & Disorders | MS Special Education: Deaf/Hearing Impaired | 6 yr | July 2016 | June 2022 | |
| **Council on Social Work Education—Commission on Accreditation** | Social Work | All Bachelor and Master programs | 7 yr | June 2011 | SU 2018 | Received letter in June 2012 stating that our progress report for the Social Work BSW has been accepted. Contact Dr. Jo Ann Regan, Accreditation Specialist, ir the Office of Social Work Accreditation, if there are any questions. |
| **Higher Learning Commission** | University | Institutional accreditation | 10 yr | SP 2016 | SP 2026 | |
| **International Facility Management Association—Committee on Academic Affairs** | Technology & Construction Management | BS Facility Management | 4 yr | July 2014 | FA 2018 | 4-year accreditation |
| **Missouri** | College of | | | Feb. | | DESE requires a yearly |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Department of Elementary & Secondary Education** | Education | | | 2012 | | reporting system by programs. 18 month certification period. Revision of MoSTEP will establish new approval process and timeline. |
| **State Board of Nursing of Missouri (Approval only)** | Nursing | Bachelor of Science in Nursing | 5 yr | Sept. 2012 | 2017 | |
| **National Association of Schools of Music—Commission on Accreditation** | Music | Undergraduate and graduate | 8 yr | SU 2016 | SU 2024 | Received a commendation for a comprehensive and thoughtful response. Next visit is scheduled for the 2023-24 academic year. |
| **Network of Schools of Public Policy, Affairs, and Administration—Commission on Peer Review and Accreditation** | Political Science | Master of Public Administration | 6 yr | July 2014 | SU 2020 | |
| **National Association of Schools of Theatre—Commission on Accreditation** | Theatre & Dance | Undergraduate | 10 yr | April 2009 | SP 2019 | |
| **National Council for Accreditation of Teacher Education (new title - Council for the Accreditation of Educator Preparation)** | College of Education | Teacher preparation programs, graduate and undergraduate | 7 yr | Feb. 2012 | FA 2018 | |
| **Planning Accreditation Board** | Geology, Geography, & Planning | Bachelor of Science in Planning (Comprehensive; | 5 yr | Dec 2013 | FA 2018 | Next visit FA 2018. |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | Concentration in Community and Regional Planning or Concentration in Tourism Planning and Development ) | | | | |
| **Project Management Institute—Global Accreditation Center for Project Management Education Programs** | Technology & Construction Management | Master of Science in Project Management | 7 yr | August 2012 | SU 2019 | |

## Certifying Body

| Certifying Body | College / Dept. | Program | Cycle | Start of Current Cert. | Cert. Expires | Comments |
|---|---|---|---|---|---|---|
| **American Chemical Society—Committee on Professional Training (certification)** | Chemistry | BS in Chemistry Comprehensive | 4 yr | July 2017 | 2022 | |
| **Association for Gerontology in Higher Education—Program of Merit Review Committee (Merit Evaluation only)** | Psychology | Bachelor of Science in Gerontology | 5 yr | July 2012 | SP 2017 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Council of Applied Masters Programs in Psychology (Certification only)** | Psychology | MS I/O Psychology | N/A | July 2004 | Does not expire | |

## Programs by Other Universities

| Accrediting/ Certifying Body | College/ Dept. | Number of Progms. | Program(s) | Cycle | Start of Current Cert. | Cert. Expires | Comments |
|---|---|---|---|---|---|---|---|
| **ABET - Accreditation Board for Engineering Technology Missouri University of Science & Technology** | The Missouri University of Science and Technology off-campus Electrical and Civil Engineering | 2 | BS in Electrical Engineering<br>BS in Civil Engineering | | | | |
| **Accreditation Council for Pharmacy Education** | University of Missouri-Kansas City | 1 | PharmD (Doctor of Pharmacy) | 6 yrs currently | July 2010 | June 30, 2016 | The next comprehensive review for the UMKC PharmD program will occur in 2015–2016. |

## Program Review Navigation

Program Review Process

Accreditations

Council for the Accreditation of Educator Preparation

Educator Preparation Provider

Statewide Review of Academic Programs

# Course Numbering System and Guide to Course Descriptions

## Course numbering system (Fall 2009 to present)

| Number | Definition |
|---|---|
| 000-099 | Background courses |
| 100-199 | Lower division courses designed primarily for freshmen |
| 200-299 | Lower division courses designed primarily for sophomores |
| 300-399 | Upper division courses designed primarily for juniors |
| 400-599 | Upper division courses designed primarily for seniors |
| 600-799 | Graduate courses designed primarily for master's level study |
| 800-899 | Upper-level graduate courses primarily for students in specialist or doctoral programs |
| 900-999 | Upper-level graduate courses primarily for students in doctoral programs |

## Course description

In addition to providing a brief description of the course content, it also includes:

- Pass/Not Pass grading options
- Repeat limitations
- Supplemental course fees
- Limitations on course applicability to degree requirements
- Parallel courses that have both an undergraduate and graduate version. Students enrolled in either version meet in the same room at the same time with the same instructor. The graduate level version of the course must require coursework appropriate for graduate credit. Parallel courses are referred to as "cross-listed" courses in the class schedule.

- Periodicity indicates the anticipated semester when the course may be offered. Refer to the Projected Course Offerings website for more detailed and up-to-date information on class availability and modality.

## Credit and contact hours

- *Credit hours* represent a unit of academic credit measured in semester hours. Some courses may be offered for a range of credit hours. Read more about credit and contact hours.
- *Lecture contact hours* represents the number of hours (i.e., contact hour equal to 50 minutes) per week the class will meet in a lecture environment (based on a 15-week semester).
- *Lab contact hours* represents the number of hours (i.e., contact hour equal to 50 minutes) per week the class will meet in a laboratory environment (based on a 15-week semester).
- *Clinical contact hours* represents the number of hours per week the course will meet in clinical experiences outside the classroom and may not be indicated as lab hours. Normally clinical hours will require three or more hours per week per hour of credit. Some typical clinical courses are Nursing, Occupational Therapy, and Physical Therapy.
- Courses with no standard lecture or laboratory contact hours indicates class time is spent outside the normal classroom environment (i.e., field study, internships, practicums, research, service learning, supervised teaching, thesis, etc.)

## Prerequisite and co-requisite

- A prerequisite may consist of one or more background courses, a placement test score, admission to a specific program of study, or departmental permission. The student is responsible for having the appropriate prerequisites prior to the beginning of the class. If any academic department determines that a student does not have the appropriate prerequisite, registration for the class may be cancelled either prior to or after classes begin. Questions concerning the prerequisite should be directed to the academic department offering the class
- Some courses may require concurrent enrollment in another course during the same semester, referred to as a "co-requisite" in the class schedule.
- Prerequisites and co-requisites change over time and are not dependent on the student's catalog of graduation. The registration system will enforce prerequisites that are in effect for the semester of registration.

## Variable content course

The *variable content course* statement indicates course is defined as one having in either its course title or its description any of the following terms: variable content, special topics, issues, problems, seminars, projects, independent study, or readings. Variable content courses include any courses that may be substantially different from one semester to another. Also included in this category are special problems, special projects, readings, and research conducted on a tutorial basis with individual students. Unless otherwise stipulated in the course description, a variable content course may be taken only once for credit.

# Faculty and Administrative Staff

- Faculty and Administrative Staff (as of September 29, 2017)
- Per Course Faculty (as of September 25, 2017)

You need Adobe Reader to view and print documents on this page.

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| Last | First | MI | Position/Title | Department/Office | Highest Degree | Awarding Institution |
|---|---|---|---|---|---|---|
| Abernathy | Amber | Rhea | Assistant Professor | Psychology | PHD | Oklahoma State University |
| Adams | David | L | Associate Professor | Library | MA | University of Missouri-Columbia |
| Adams | Jodie | H | Practitioner-in-Residence | Kinesiology | BS | Missouri State University |
| Adams | Kathryn | Anne | Clinical Instructor | Nursing, School of | MSN | University of Central Florida |
| Adamson | Reesha | M | Assistant Professor | Counseling, Leadership and Special Education | PHD | University of Missouri-Columbia |
| Agnew | William | J | Associate Professor | Counseling, Leadership and Special Education | PHD | University of Missouri-St Louis |
| Ahmed | Haydory | Akbar | Assistant Professor | Economics | | |
| Aho | Kyle | J | Instructor | Music | MM | New England Conservatory of Music |
| Ajuwon | Paul | M | Professor | Counseling, Leadership and Special Education | PHD | University of Calgary |
| Albaugh | Rickey | D | Clinical Assistant Professor | Biomedical Sciences | BS | Missouri State University |
| Albers | Joshua | R | Assistant Professor | Art and Design | MFA | University of Illinois at Chic |
| Albritton | Michael | A | Instructor | Management and Information Technology | MA | Missouri State University |
| Allen | Jimmie | R | Associate Professor | Art and Design | MFA | University of Texas at San Antonio |
| Allen | Natalie | B | Clinical Instructor | Biomedical Sciences | MSED | University of Missouri-St Louis |
| Allen | Rebecca | L | Instructor | Biomedical Sciences | BS | Missouri State University |
| Alsup-Egbers | Clydette | M | Associate Professor | Agriculture | PHD | Oklahoma State University |
| Altena | Thomas | S | Associate Professor | Kinesiology | EDD | Oklahoma State University |
| Amberg III | Richard | H | Assistant Professor | Media, Journalism & Film | MFA | University of Southern California |
| Amidon | Ethan | | Assistant Professor | Criminology | PHD | University of Missouri-St Louis |
| Ammons | Jacynda | L | Instructor | History | PHD | Texas Tech University |
| Anbari | Allison | Brandt | Assistant Professor | Nursing, School of | PHD | University of Missouri-Columbia |
| Anderson | Angela | L | Professor | Counseling, Leadership and Special Education | PHD | Oklahoma State University |
| Anderson | Rachel | M | Entrepreneurial Specialist | Research and Economic Development | BGS | University of Missouri-Columbia |
| Anderson | Wayne | L | Professor | Finance and General Business | JD | California Western Schl of Law |
| Arendell | Telory | Davies | Associate Professor | Theatre and Dance | PHD | Stanford University |
| Argyle | Deidre | | Assistant Professor | Art and Design | MFA | University of Arizona |
| Armstrong | Joan | E | Director of Project Access | Provost Office | MS | Missouri State University |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Arthaud | Tamara | J | Professor | Counseling, Leadership and Special Education | PHD | University of Nebraska Lincoln |
| Artman | Amy | | Instructor | Religious Studies | PHD | University of Chicago |
| Asay | Nancy | L | Senior Instructor | Technology and Construction Management | MSED | Drury University |
| Ashcroft | Paul | A | Associate Professor | Accountancy, School of | PHD | Texas A&M University-Main Camp |
| Atwell | Jan | M | Clinical Assistant Professor | Nursing, School of | MSN | Missouri State University |
| Ault-Phillips | Jana | M | Instructor | Finance and General Business | JD | Washington University |
| Austin | Rebekah | E | Instructor | Management and Information Technology | MS | Missouri State University |
| Backes | Heidi | A | Assistant Professor | Modern and Classical Languages | PHD | University of Wisconsin-Madison |
| Baggett | Holly | A | Professor | History | PHD | University of Delaware |
| Bailey | Sandra | L | Assistant Professor | Merchandising and Fashion Design | MS | Baker University |
| Bajalan | Djene | Rhys | Assistant Professor | History | PHD | University of Oxford |
| Baker | James | P | Vice President for Research and Economic Development | Research and Economic Development | PHD | University of Idaho |
| Baker | Rebecca | A | Senior Instructor | Physics, Astronomy and Materials Science | MSED | Missouri State University |
| Bakker | Klaas | | Professor | Communication Sciences and Disorders | PHD | Southern Illinois University-Carbond |
| Baldwin | Julie | | Assistant Professor | Criminology | PHD | University of Florida |
| Baldwin | Susan | L | Instructor | Greenwood Lab School | MSED | Missouri State University |
| Barber | Marlin | C | Assistant Professor | History | PHD | University of Missouri-Columbia |
| Barber | Sarah | R | Clinical Assistant Professor | Communication Sciences and Disorders | AUD | Salus Univeristy |
| Barffour | Antoinette | A | Assistant Professor | Modern and Classical Languages | PHD | University of Alabama |
| Barnes | Ruth | E | Professor | Theatre and Dance | MFA | University of California-River |
| Barnett | Cynthia | L | Director of Campus Recreation | Campus Recreation | MS | Missouri State University |
| Barnett | Joann | E | Instructor | Mathematics | BSED | Missouri State University |
| Barnhart | Miles | C | Distinguished Professor | Biology | PHD | University of California-Los A |
| Barreda | Albert | A | Assistant Professor | Hospitality Leadership | PHD | University of Central Florida |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Barrier | Tonya | B | Professor | Management and Information Technology | PHD | University of Texas at Arlington |
| Bartholomew | Jake | M | Instructor | Philosophy | MA | Binghamton University/Suny |
| Bass | Samuel | J | Instructor | Accountancy, School of | MS | Missouri State University |
| Bassett | Damon | J | Senior Instructor | Geography, Geology and Planning | MS | University of Missouri-Columbia |
| Basu Roy | Subhasree | | Assistant Professor | Economics | PHD | Georgia State University |
| Bauman | R | Isabelle | Associate Professor | Communication | PHD | University of Wisconsin-Madison |
| Baumann | Denise | M | Associate Director of Residence Life Housing and Dining Services | Residence Life Housing and Dining Services | EDD | University of Missouri-Columbia |
| Baumlin | James | S | Distinguished Professor | English | PHD | Brown University |
| Baynes | Leslie | A | Associate Professor | Religious Studies | PHD | University of Notre Dame |
| Beatty | Nick | L | Instructor | Political Science | MA | University of Missouri-Columbia |
| Beckham | Tracy | L | Assistant Program Director of Nurse Anesthesia | Biomedical Sciences | MS | University of Kansas |
| Bell | Angela | B | Visiting Assistant Professor | English | PhD | University of North Dakota |
| Belshoff | Richard | G | Professor | Mathematics | PHD | University of Kentucky |
| Bennett | Jessica | L | Assistant Professor | Library | MA | University of Missouri-Columbia |
| Benson | Tara | E | Associate Director of PSU-Student Engagement | PSU-Student Engagement | MS | University of Central Missouri |
| Benzer | Fatih | | Assistant Professor | Art and Design | EDD | Arizona State University |
| Berkwitz | Stephen | C | Department Head | Religious Studies | PHD | University of Calif-Santa Barbara |
| Berquist | Charlene | A | Professor | Communication | PHD | University of Minnesota-Twin City |
| Berry | Melissa | D | Director of Institutional Equity and Compliance | Institutional Equity and Compliance | MS | Missouri State University |
| Berry | Roberta | Magdalena | Senior Instructor | English | MA | Missouri State University |
| Besara | Rachel | M | Associate Dean, University Library | Library | MS | Florida State University |
| Besara | Tiglet | | Visiting Assistant Professor | Physics, Astronomy and Materials Science | PHD | Florida State University |
| Bhattacharyya | Gautam | | Assistant Professor | Chemistry | PHD | Purdue University |
| Biagioni | Richard | N | Professor | Chemistry | PHD | University of California-Berke |
| Biggs | Mark | M | Associate Dean | College of Art and Letters | MA | University of Chicago |
| Bigley | Louise | L | Assistant Professor | Nursing, School of | MSN | Missouri State University |
| Black | Alice | A | Associate Professor | Geography, Geology and Planning | PHD | University of Missouri-Columbia |
| Blackmon | W | D | Department Head | English | PHD | University of Denver |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Blansit | Amy | C | Instructor | Kinesiology | MA | Adelphi University |
| Blanton | Patti | Ann | Senior Instructor | Mathematics | MSED | Missouri State University |
| Blevins | Brooks | R | Professor | History | PHD | Auburn University |
| Bloom | Scott | E | Instructor | Economics | MA | University of Missouri-Columbia |
| Bobbitt-Boyce | Edith | | Clinical Assistant Professor | Communication Sciences and Disorders | AUD | Salus Univeristy |
| Boehne | Tara | L | Clinical Assistant Professor | Occupational Therapy | MS | Southwest Baptist University |
| Bolyard | Chloe | | Assistant Professor | Childhood Education and Family Studies | PHD | Miami University |
| Bonebrake | Tara | | Instructor | Greenwood Lab School | MAT | Washington University |
| Borneman | Dea | A | Professor | Library | MA | University of Missouri-Columbia |
| Bosch | Eric | | Distinguished Professor | Chemistry | PHD | Weizmann Institute of Science |
| Bourhis | John | Stanley | Professor | Communication | MA | University of Arizona |
| Bowe | Laura | M | Senior Instructor | Biology | PHD | Vanderbilt University |
| Boyd | Carmen | | Assistant Professor | Biomedical Sciences | MS | Missouri State University |
| Boyer | William | F | Instructor | Agriculture | MNAS | Missouri State University |
| Boyle | Megan | | Assistant Professor | Counseling, Leadership and Special Education | PHD | Utah State University |
| Boyle | Michael | P | Senior Instructor | Philosophy | MA | Missouri State University |
| Brahnam | S | Berlin | Professor | Management and Information Technology | PHD | Baruch College |
| Branstetter-Hall | Jo | E | Assistant Professor | Nursing, School of | PHD | University of Kansas |
| Brattin | Ricky | L | Assistant Professor | Management and Information Technology | PHD | University of Arkansas |
| Bray | William | O | Department Head | Mathematics | PHD | Missouri University of Science and Technology |
| Brazeal | LeAnn | M | Associate Professor | Communication | PHD | University of Missouri-Columbia |
| Brescia | Lisa | M | Assistant Professor | Theatre and Dance | MFA | George Washington University,T |
| Breyfogle | Bryan | E | Department Head | Chemistry | PHD | Missouri University of Science and Technology |
| Brinson | Sabrina | A | Professor | Childhood Education and Family Studies | PHD | University of South Florida |
| Broaddus | Marilyn | A | Instructor | Greenwood Lab School | MSED | Drury University |
| Brock | Russell | E | Clinical Assistant Professor | Southwest Regional Prof Dev Center | EDD | Saint Louis University |
| Brodeur | Amanda | C | Assistant Professor | Biomedical Sciences | MD | University of Missouri-Columbia |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Brown | Kenneth | H | Department Head | Economics | PHD | University of Illinois-Urbana |
| Brown | Michele | A | Visiting Instructor | Social Work, School of | MSW | Missouri State University |
| Brown | Orville | Gilbert | Associate Dean | College of Education | EDD | Indiana University Bloomington |
| Brown | Robert | Samuel | Instructor | Mathematics | MS | Missouri State University |
| Brummel | Sara | J | Associate Professor | Theatre and Dance | MFA | University of Arizona |
| Bryant | Stephanie | M | Dean | College of Business | PHD | Louisiana St Univ/A&M-Baton Ro |
| Buchanan | Erin | M | Associate Professor | Psychology | PHD | Texas Tech University |
| Bunn | Roger | | Instructor | Mathematics | PHD | Missouri University of Science and Technology |
| Burch | Abby | R | Instructor | Greenwood Lab School | MSED | Missouri State University |
| Burge | Sara | J | Senior Instructor | English | MFA | Southern Illinois University-Carbond |
| Burnett | Melissa | S | Professor | Marketing | PHD | Oklahoma State University |
| Burt | Zachary | J | Instructor | Kinesiology | BS | Missouri State University |
| Burton | Michael | G | Professor | Agriculture | PHD | University of Nebraska Lincoln |
| Burton | Richard | L | Instructor | Management and Information Technology | MBA | Duke University |
| Busdieker-Jesse | Nichole | L | Assistant Professor | Agriculture | MS | University of Illinois-Urbana |
| Bushman | Barbara | A | Professor | Kinesiology | PHD | University of Toledo |
| Butcher | Deana | R | Instructor | Communication | MA | Missouri State University |
| Buyurgan | Nebil | | Associate Professor | Technology and Construction Management | PHD | Missouri University of Science and Technology |
| Byrd | Sandra | D | Professor | Accountancy, School of | PHD | University of Arkansas |
| Cadle | Lanette | L | Professor | English | PHD | Bowling Green State University |
| Cafagna | Marcus | S | Professor | English | MFA | Norwich University |
| Cahoj | Patricia | A | Assistant Professor | Physical Therapy | PHD | Creighton University |
| Calihman | Matthew | S | Associate Professor | English | PHD | Washington University |
| Callahan | Richard | N | Department Head | Technology and Construction Management | PHD | Missouri University of Science and Technology |
| Cameron | James | S | Associate Professor | Music | DMA | University of Oklahoma |
| Camp | Deanne | | Professor | Reading, Foundations and Technology | EDD | University of Missouri-Columbia |
| Canales | Roberto | | Professor | Physician Assistant Studies | MS | University of Texas Medical Branch |
| Cantillo | Andres | | Instructor | Economics | PHD | University of Missouri-Kansas City |
| Capps | Steven | C | Director of Learning Diagnostic | Learning Diagnostic Clinic | PHD | Ball State University |
| Carawan | Edwin | M | Professor | Modern and Classical Languages | PHD | University of North Carolina At Chap |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Cardin | Ashlea | D | Assistant Professor | Occupational Therapy | OTD | St Catherine University StPaul |
| Carr | Sylvia | | Instructor | Mathematics | BS | St Augustine's College |
| Carr | W | David | Associate Professor | Sports Medicine and Athletic Training | PHD | University of Southern Mississippi |
| Carter | Shelley | Lynn | Clinical Assistant Professor | Nursing, School of | BSN | Missouri State University |
| Casey | Lisa | R | Professor | Music | MM | University of Idaho |
| Cathey | Christie | L | Assistant Professor | Psychology | PHD | University of Connecticut |
| Cemore Brigden | Joanna | J | Associate Professor | Childhood Education and Family Studies | PHD | Iowa State University |
| Cerdas Cisneros | Maria | | Assistant Professor | Modern and Classical Languages | PHD | Texas Tech University |
| Chackal | Anthony | E | Instructor | Philosophy | MA | Northern Illinois University |
| Chakraborty | Sapna | | Department Head | Occupational Therapy | OTD | Creighton University |
| Chambers | Amanda | Benedict | Assistant Professor | Childhood Education and Family Studies | PHD | University of Michigan-Ann Arb |
| Chang | Chih-Cheng | Ed | Professor | Finance and General Business | PHD | University of Illinois-Urbana |
| Chang | Ching-Wen | | Associate Professor | Reading, Foundations and Technology | PHD | Indiana State University |
| Chapman | Carol | L | Assistant Professor | Music | DMA | University of Missouri-Kansas City |
| Chaston | Joel | D | Distinguished Professor | English | PHD | University of Utah |
| Chen | Qiang | | Assistant Professor | Social Work, School of | PHD | University at Albany/Suny |
| Cheng | Yungchen | | Professor | Mathematics | PHD | Rutgers St Univ-Camden Coll |
| Chesman | Jeremy | A | Professor | Theatre and Dance | DMA | University of Missouri-Kansas City |
| Choi | Minju | | Assistant Professor | Music | DMA | Stony Brook University/Suny |
| Chorn | Gary | D | Assistant Director for Facilities Management | Facilities Management | | |
| Christian | Donna | K | Director of Internal Audit and Compliance | Internal Audit and Compliance | BS | Missouri State University |
| Chuchiak | John | F | Professor | History | PHD | Tulane University |
| Claborn | David | M | Associate Professor | Master of Public Health | DRPH | Uniformed Services U-Hlth Sci |
| Clark | Anthony | | Assistant Professor | Computer Science | BS | Kansas State University |
| Clark | John | B | Assistant Director for Facilities Management | Facilities Management | BS | Missouri State University |
| Clark | Ronald | A | Associate Professor | Marketing | PHD | Florida State University |
| Clark | Sara | M | Director of Web and New Media | Web And New Media | MS | Missouri State University |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Clayton | Michael | | Assistant Professor | Psychology | PHD | University of Nevada-Reno |
| Cleveland | Tracy | L | Associate Professor | Physician Assistant Studies | MS | Missouri State University |
| Cline | Andrew | R | Associate Professor | Media, Journalism & Film | PHD | University of Missouri-Kansas City |
| Closser | Cole | B | Assistant Professor | Art and Design | MFA | Center for Cartoon Studies |
| Cobb | Barry | | Associate Professor | Marketing | PHD | University of Kansas |
| Cockrell | Seth | | Assistant Professor | Marketing | PHD | Michigan State University |
| Cohen Ioannides | Mara | W | Senior Instructor | English | MA | Carnegie Mellon University |
| Coleman | Joshua | | Assistant Professor | Marketing | MS | University of Memphis |
| Colombo | Anne | | Senior Instructor | Modern and Classical Languages | MA | Universite de Bourgogne |
| Coltharp | Allison | R | Senior Instructor | Communication | MA | Missouri State University |
| Combs | Christine | L | Instructor | Childhood Education and Family Studies | EDD | University of Missouri-Columbia |
| Combs | Julia | C | Department Head | Music | DMA | University of North Texas |
| Conner | Karla | D | Visiting Assistant Professor | Nursing, School of | MSN | Kaplan University |
| Connor | George | E | Department Head | Political Science | PHD | University of Houston-Main Campus |
| Cook | Jeanne | L | Department Head | Physical Therapy | MS | Texas Woman'S University |
| Cook | Kimberly | D | Assistant Professor | Physician Assistant Studies | MS | Missouri State University |
| Cook | Sherry | James | Senior Instructor | Marketing | MBA | Missouri State University |
| Coombs | James | | Associate Professor | Library | MLS | Ball State University |
| Corcoran | Deborah | B | Senior Instructor | Geography, Geology and Planning | MA | Michigan State University |
| Cornelison | David | M | Department Head | Physics, Astronomy and Materials Science | PHD | Arizona State University |
| Cornelius-White | Jeffrey | H | Professor | Counseling, Leadership and Special Education | PHD | Argosy University/Twin Cities |
| Correll | Pamela | | Assistant Professor | Reading, Foundations and Technology | EDD | University of Kentucky |
| Coulter | Ronald | Lee | Department Head | Marketing | PHD | University of Arkansas |
| Cox | Nora | F | Senior Instructor | Communication | MA | Missouri State University |
| Crafts | Daniel | D | Associate Professor | Hospitality Leadership | EDD | Oklahoma State University |
| Craig | Christopher | J | Deputy Provost | Provost Office | EDD | Vanderbilt University |
| Crain | Susan | J | Professor | Finance and General Business | PHD | University of Oklahoma |
| Cron | Deborah | A | Clinical Professor | Communication Sciences and Disorders | MSED | University of Georgia |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Crowder | Rebecca | J | Instructor | Greenwood Lab School | MSED | Missouri State University |
| Cuebas | Dean | A | Associate Professor | Chemistry | PHD | Cuny-City College of New York |
| Culver | Sandra | E | Director of Business Advisement Center | College of Business | MBA | Missouri State University |
| Cunningham | Denise | D | Department Head | Childhood Education and Family Studies | PHD | University of Missouri-St Louis |
| Curry | Matthew | T | Director of Case | Jordan Valley Innovation Center | MS | Missouri State University |
| Curry | Natalie | A | Clinical Instructor | Social Work, School of | MSW | Washington University |
| Czyzniejewski | Michael | G | Associate Professor | English | MFA | Bowling Green State University |
| Daehn | Ann Marie | | Assistant Professor | Music | DMA | Eastman School of Music |
| Dallas | Melissa | B | Professor | Hospitality Leadership | JD | University of Toledo |
| Dalton | Tracy | L | Senior Instructor | English | MA | Truman State University |
| Daniel | Carol | A | Clinical Assistant Professor | Nursing, School of | MS | California State Univ-Fresno |
| Daniel | Todd | E | Instructor | Statistics Institute | MA | University/College Colorado |
| Daoust | Mario | | Assistant Professor | Geography, Geology and Planning | PHD | McGill University |
| Darabi | Rachelle | L | Associate Provost for Student Development and Public Affairs | Student Development and Public Affairs | PHD | Ball State University |
| Daugherty | Timothy | K | Professor | Psychology | PHD | University of Miami |
| Davis | Joshua | M | Department Head | Management and Information Technology | PHD | University of South Carolina-Columbi |
| Davis | Kathy | J | Director of Advisement Center | Advisement Center | MS | Missouri State University |
| Davis | Tammi | R | Assistant Professor | Childhood Education and Family Studies | PHD | Indiana University Bloomington |
| Day | Michele | L | Director of School of Social Work | Social Work, School of | PHD | University of Missouri-Columbia |
| Deal | William | Paul | Department Head | Psychology | PHD | University of Mississippi |
| Debode | Jason | D | Assistant Professor | Management and Information Technology | PHD | Auburn University |
| Del Vecchio | Ronald | P | Dean | Agriculture | PHD | Texas A&M University-Main Camp |
| DePaepe | Paris | A | Professor | Counseling, Leadership and Special Education | PHD | University of Minnesota-Twin City |
| Dicke | Thomas | S | Professor | History | PHD | Ohio State University,The |
| Dickerson | Bradley | T | Assistant Professor | Political Science | PHD | University of Mississippi |
| Dillon | Randy | K | Professor | Communication | PHD | University of Florida |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Dimond | Jack | E | Senior Instructor | Media, Journalism & Film | MA | Pittsburg State University |
| Dockery | Rachael | M | General Counsel | General Counsel | JD | University of Arkansas |
| Dodge | Steven | T | Department Head | Physician Assistant Studies | MD | Southern Illinois University-Carbond |
| Doering | Trisha | N | SWMO AHEC Director | AHEC | MPH | Missouri State University |
| Dogwiler | Toby | J | Department Head | Geography, Geology and Planning | PHD | University of Missouri-Columbia |
| Dollar | Susan | C | Professor | Social Work, School of | PHD | Tulane University |
| Downing | John | H | Associate Professor | Kinesiology | PHD | University of Oregon |
| Dreyer-Lude | Melanie | | Associate Professor | Theatre and Dance | MFA | Northwestern University |
| Dudash-Buskirk | Elizabeth | A | Associate Professor | Communication | MA | Miami University |
| Duitsman | Dalen | M | Director of Ozarks Public Health Inst | Master of Public Health | PHD | Indiana University Bloomington |
| Duncan | Janice | R | Director of Greenwood Lab School | Greenwood Lab School | PHD | University of Missouri-Columbia |
| Dunlop | Vicki | L | Assistant Professor | Greenwood Lab School | MSED | Missouri State University |
| Dunn | William | Brent | Vice President for University Advancement | University Advancement | MA | Missouri State University |
| Durham | Paul | L | Distinguished Professor | Biology | PHD | University of Iowa |
| Dyer | Samuel | Coad | Associate Professor | Communication | PHD | University of Tennessee-Knoxville |
| Eassey | John | | Assistant Professor | Criminology | MA | University of Florida |
| Echols | Leslie | | Assistant Professor | Psychology | PHD | University of California-Los A |
| Edgar | William | B | Clinical Associate Professor | Library | PHD | University of Alabama |
| Ehlers | Abigale | S | Senior Instructor | Hospitality Leadership | MSED | Drury University |
| Eichholz | Chelsea | M | Instructor | Media, Journalism & Film | BA | Missouri State University |
| Einhellig | Frank | A | Provost and Chancellor of Mountain Grove Campus | Provost Office | PHD | University of Oklahoma |
| Ekstam | Keith | A | Professor | Art and Design | MFA | University of Michigan-Ann Arb |
| Eldred | Jannette | L | Clinical Instructor | Social Work, School of | MSW | Missouri State University |
| Ellickson | Mark | C | Professor | Political Science | PHD | Southern Illinois University-Carbond |
| Elliott | Jessica | M | Assistant Professor | History | PHD | University of Calif-Santa Barbara |
| Engler | Karen | | Clinical Professor | Communication Sciences and Disorders | EDD | University of Missouri-Columbia |
| English | Catherine | | Assistant Professor | English | PHD | University of Nebraska Lincoln |
| Ernce | Keith | D | Professor | Kinesiology | EDD | University of New Mexico |
| Evans | Kevin | R | Professor | Geography, Geology and Planning | PHD | University of Kansas |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Evans | Krista | M | Assistant Professor | Geography, Geology and Planning | PHD | Clemson University |
| Fallone | Melissa | D | Associate Professor | Psychology | PHD | University of Tennessee Health Scien |
| Fan | Lori | | Executive Director of Alumni Relations | Alumni Relations | BS | Bradley University |
| Fearing | Cory | A | Instructor | Greenwood Lab School | MSED | Drury University |
| Feeney | Sylvia | Monika | Program Director of Nurse Anesthesia Practice | Biomedical Sciences | DNAP | Virginia Commonwealth University |
| Fent | Nathan | | Instructor | Agriculture | MAT | Missouri State University |
| Ferguson | Wendy | M | Executive Director of Development | Development Office | BA | Lyon College |
| Few | Tamaria | | Director of Human Resources | Human Resources | MBA | Benedictine University |
| Fichter | Kathryn | M | Assistant Professor | Chemistry | PHD | University of Cincinnati |
| Finch | Kim | K | Associate Professor | Counseling, Leadership and Special Education | EDD | University of Missouri-Columbia |
| Finn | Debra | S | Assistant Professor | Biology | PHD | Colorado State University |
| Fischer | Donald | L | Professor | Psychology | PHD | Ohio State University,The |
| Flanders | Janelle | A | Instructor | Greenwood Lab School | MSED | Missouri State University |
| Flannery | Timothy | J | Assistant Professor | Economics | PHD | University of Arizona |
| Follensbee | Billie | J | Professor | Art and Design | PHD | University of Maryland College |
| Foreman | Elizabeth | | Associate Professor | Philosophy | PHD | University of North Carolina At Chap |
| Foster | Lyle | Q | Assistant Professor | Sociology and Anthropology | MA | Yale University |
| Foster | Micheal | S | Professor | Theatre and Dance | MFA | Ohio University |
| Foucart | Stephen | C | Chief Financial officer | Financial Services | MBA | University of Houston-Clear Lake |
| Fraczak | Jacek | M | Associate Professor | Art and Design | MFA | Academy of Fine Arts Warsaw |
| Franklin | Keri | R | Director of Assessment | Assessment | PHD | University of Missouri-Columbia |
| Franklin | Thomas | C | Associate Professor | Communication Sciences and Disorders | PHD | Florida State University |
| Frederick | Dana | J | Instructor | Management and Information Technology | MBA | Emporia State University |
| Frederick | Teresa | L A | Associate Director of Residence Life-Facilities | Residence Life Housing and Dining Services | MS | Missouri State University |
| Friske | Wesley | | Assistant Professor | Marketing | PHD | Texas Tech University |
| Frodermann | Evan | | Assistant Professor | Physics, Astronomy and Materials Science | PHD | Ohio State University,The |
| Funderburk | Stacey | L | Director of Publications | Publications | BA | Missouri Southern State University |
| Gale | Crystal | D | Associate Professor | Library | MLS | University of Missouri-Columbia |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Gallaway | Julie | H | Senior Instructor | Economics | PHD | Colorado State University |
| Gallaway | Terrel | A | Professor | Economics | PHD | Colorado State University |
| Galloway | James | R | Assistant Professor | Kinesiology | PHD | University of Mississippi |
| Garg | Vinay | K | Associate Professor | Management and Information Technology | PHD | University of Texas at Arlington |
| Garland | Brett | E | Department Head | Criminology | PHD | University of Nebraska Omaha |
| Garland | Diana | K | Director of Learning Commons | Bear Claw | EDD | University of Missouri-Columbia |
| Garrad | Richard | C | Professor | Biomedical Sciences | PHD | Miami University |
| Garrison | Traci | A | Clinical Instructor | Occupational Therapy | BA | Drury University |
| Garrison-Kane | Linda | | Professor | Counseling, Leadership and Special Education | PHD | University of Kansas |
| Gartin | Patrick | R | Associate Professor | Criminology | PHD | University of Maryland College |
| Gattis | Lyn | F | Associate Professor | English | PHD | Oklahoma State University |
| Gdovin | Jacob | R | Assistant Professor | Kinesiology | PHD | University of Mississippi |
| Gebken | Richard | J | Associate Professor | Technology and Construction Management | PHD | University of Texas at Austin |
| Gerasimchuk | Nikolay | N | Professor | Chemistry | PHD | University of Kansas |
| Gerasimchuk-Djordjevic | Maria | N | Assistant Professor | Art and Design | MFA | Missouri State University |
| Gholson | Martha | R | Associate Professor | English | PHD | Memorial Univ of Newfoundland |
| Ghosh | Kartik | C | Professor | Physics, Astronomy and Materials Science | PHD | University of Mumbai |
| Giboney | Sharon | K | Clinical Assistant Professor | Physician Assistant Studies | MSN | Drexel University |
| Gibson | Hugh | M | Associate Professor | Kinesiology | EDD | Oklahoma State University |
| Gibson | Kathryn | M | Assistant Professor | Greenwood Lab School | MS | University of New Hampshire |
| Gillam | Kenneth | M | Associate Professor | English | PHD | Illinois State University |
| Gilmore | Kristy | L | Instructor | Greenwood Lab School | MS | Missouri State University |
| Given | Mark | Douglas | Associate Professor | Religious Studies | PHD | University of North Carolina At Chap |
| Goddard | Stacy | E | Instructor | Kinesiology | MS | Missouri State University |
| Goeringer | Michael | E | Clinical Instructor | Counseling, Leadership and Special Education | MSED | Missouri State University |
| Goerndt | Michael | | Assistant Professor | Agriculture-Darr Ag Center | PHD | Oregon State University |
| Goodwin | Andrew | M | Artist-in-Residence | Art and Design | BFA | Missouri State University |
| Goodwin | Brenda | S | Assistant Professor | Kinesiology | MSED | Drury University |
| Goodwin | David | R | Associate Professor | Reading, Foundations and Technology | PHD | University of Illinois-Urbana |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Gordon | Nancy | A | Director of Faculty Center for Teaching and Learning | Faculty Center for Teaching and Learning | MSED | University of Missouri-Columbia |
| Goss | Benjamin | D | Assistant Professor | Management and Information Technology | EDD | University of Southern Mississippi |
| Gouzie | Douglas | R | Professor | Geography, Geology and Planning | PHD | University of Kentucky |
| Gram | John | R | Instructor | History | PHD | Southern Methodist University |
| Graves | Carolyn | F | Clinical Assistant Professor | Nursing, School of | MSN | University of Missouri-Columbia |
| Greene | Brian | D | Associate Professor | Biology | PHD | Texas A&M University-Main Camp |
| Greene | Janice | S | Professor | Biology | PHD | Texas A&M University-Main Camp |
| Guo | Kanghui | | Professor | Mathematics | PHD | McGill University |
| Gutierrez | Melida | | Professor | Geography, Geology and Planning | PHD | University of Texas at El Paso |
| Gutzke | David | W | Professor | History | PHD | University of Toronto |
| Hackney | James | M | Associate Professor | Physical Therapy | PHD | University of Minnesota-Duluth |
| Haggard | Dana | L | Associate Professor | Management and Information Technology | PHD | University of Missouri-Columbia |
| Haggard | Kelly | S | Professor | Finance and General Business | PHD | University of Missouri-Columbia |
| Haider | Iftikhar | | Visiting Instructor | English | MA | University of Illinois-Urbana |
| Hall | Lisa | C | Assistant Professor | Psychology | PHD | University of Kansas |
| Hallgren | Deanna | M | Director of Child Development | Child Development Center | MS | Missouri State University |
| Hamm | Randall | P | Professor | Music | MM | University of North Texas |
| Hammerschmidt | Melinda | M | Instructor | Greenwood Lab School | MSED | Drury University |
| Hammond | Michael | R | Senior Instructor | Accountancy, School of | MS | Missouri State University |
| Hammons | David | D | Instructor | Marketing | MBA | Missouri State University |
| Hamwi | Georg | Alex | Associate Professor | Marketing | PHD | Georgia State University |
| Harbaugh | Adam | | Associate Professor | Mathematics | PHD | Texas A&M University-Main Camp |
| Harms | John | B | Professor | Sociology and Anthropology | PHD | University of Kansas |
| Harper | Sharon | R | Professor | Art and Design | MFA | University of Massachusetts Amherst |
| Harris | Hannah | J | Instructor | Psychology | PHD | Forest Institute of Prof Pscy |
| Harsen | Mark | F | Director of Networking and Telecommunications | Networking and Telecommunications | BS | Missouri State University |
| Hart | Laura | B | Assistant Professor | Sociology and Anthropology | MA | Humboldt State University |
| Harwood | William | H | Assistant Professor | Philosophy | PhD | Penn State-University Park Cam |
| Haslam | Darryl | R | Associate Professor | Social Work, School of | PHD | Texas Tech University |
| Hass | Aida | Y | Associate Professor | Criminology | PHD | George Washington University,T |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Hatz | Kirsten | A | Senior Instructor | Kinesiology | MSED | Drury University |
| Hausback | Jason | M | Assistant Professor | Music | DMA | University of North Texas |
| Hauschildt | Shannon | M | Assistant Professor | Physician Assistant Studies | MS | Missouri State University |
| Havlin | Tiffany | Sue | Clinical Instructor | Social Work, School of | PHD | Capella University |
| Haynes | Tricia | A | Visiting Instructor | Biomedical Sciences | MS | Missouri State University |
| Haynes | Vickie | L | Instructor | Childhood Education and Family Studies | EDS | Missouri State University |
| Hays | David | R | Professor | Music | DM | Northwestern University |
| Hedgpeth | Kent | O | Instructor | Greenwood Lab School | MA | Drury University |
| Hein | Stephanie | G | Department Head | Hospitality Leadership | EDD | University of Missouri-Columbia |
| Heinlein | Kurt | Gerard | Professor | Theatre and Dance | MFA | St Mary's College of Maryland |
| Heitger | Lester | E | Professor | Accountancy, School of | PHD | Michigan State University |
| Hellman | Andrea | B | Assistant Professor | English | EDD | Boston University |
| Hellman | Daniel | S | Associate Professor | Music | PHD | University of Southern Mississippi |
| Henary | Sara | | Assistant Professor | Political Science | PHD | University of Virginia-Main Campus |
| Hendrickson | Nicole | A | Instructor | Biomedical Sciences | BS | Missouri State University |
| Hermans | Charles | M | Professor | Marketing | PHD | New Mexico State University |
| Herr | Christopher | J | Professor | Theatre and Dance | PHD | University of Toronto |
| Herring | Sean | C | Practitioner-in-Residence | English | EDD | University of Phoenix |
| Hetzler | Tona | M | Department Head | Sports Medicine and Athletic Training | EDD | Oklahoma State University |
| Heyboer | Jill | L | Professor | Music | DMA | Michigan State University |
| Heywood | John | S | Professor | Biology | PHD | University of Texas at Austin |
| Hickey | Dennis | V | Distinguished Professor | Political Science | PHD | University of Texas at Austin |
| High | Brian | D | Senior Instructor | Chemistry | MS | Missouri State University |
| Hiller | Jokima | L | Instructor | Hospitality Leadership | MBA | Devry University Centers |
| Himes | Marcia | K | Assistant Professor | Physical Therapy | DPT | Missouri State University |
| Hinch | Steven | W | Associate Professor | Reading, Foundations and Technology | PHD | University of Missouri-Columbia |
| Hines | Christopher | S | Assistant Professor | Accountancy, School of | PHD | University of Arkansas |
| Hines | James | N | Instructor | Accountancy, School of | MACC | Missouri State University |
| Hobbs | Lora | J | Senior Instructor | Religious Studies | MSED | University of Missouri-Columbia |
| Hoegeman | Catherine | H | Assistant Professor | Sociology and Anthropology | PHD | University of Arizona |
| Hoelscher | Carrisa | | Assistant Professor | Communication | PHD | University of Oklahoma |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Hoelscher | Seth | | Assistant Professor | Finance and General Business | PHD | University of Oklahoma |
| Holladay | Holly | W | Assistant Professor | Media, Journalism & Film | PHD | University of Missouri-Columbia |
| Holmer | Earl | G | Senior Instructor | English | MA | Missouri State University |
| Homburg | Andrew | H | Associate Professor | Music | PHD | University of Missouri-Kansas City |
| Hong | Hye-Jung | | Associate Professor | Music | DMA | Johns Hopkins University,The |
| Hoogland | Charles | | Instructor | Psychology | PHD | University of Kentucky |
| Hopkins | Jennifer | B | Instructor | Greenwood Lab School | MS | Missouri State University |
| Hornberger | Robert | S | Assistant Vice President for Enrollment Management and Services/Registrar | Registrar | EDD | University of Missouri-Columbia |
| Hornsby-Gutting | Angela | M | Associate Professor | History | PHD | University of North Carolina At Chap |
| Horton III | Leonard | B | Instructor | Media, Journalism & Film | MS | Florida A&M University |
| Hough | David | L | Dean | College of Education | PHD | University of California-River |
| Hough | Lyon | H | Assistant Professor | Biomedical Sciences | PHD | Saint Louis University |
| Howard | Jason | A | Instructor | Communication | MA | Missouri State University |
| Howell | Marcus | J | Associate Professor | Art and Design | MFA | University of Illinois-Urbana |
| Hu | Shouchuan | | Professor | Mathematics | PHD | University of Texas at Arlington |
| Huang | Shyang | | Professor | Physics, Astronomy and Materials Science | PHD | North Carolina State University |
| Hubbard | Kevin | M | Assistant Professor | Technology and Construction Management | PHD | Missouri University of Science and Technology |
| Hudson | Danae | Lisa | Professor | Psychology | PHD | Louisiana St Univ/A&M-Baton Ro |
| Hudson | Michael | B | Associate Professor | Sports Medicine and Athletic Training | PHD | University of Missouri-Columbia |
| Hughes | Joseph | J | Professor | Modern and Classical Languages | PHD | University of Iowa |
| Hughes | Kevin | W | Associate Professor | Art and Design | MFA | Indiana University Bloomington |
| Hulgus | Joseph | F | Professor | Counseling, Leadership and Special Education | PHD | Texas Woman'S University |
| Hulme | Amy | E | Assistant Professor | Biomedical Sciences | PHD | University of Michigan-Ann Arb |
| Hunt | Chastity | Ann | Senior Associate Director Athletics/SWA | Intercollegiate Athletics | MA | University of Connecticut |
| Hunter | Anne Marie | B | Associate Professor | Biomedical Sciences | PHD | University of Nebraska Lincoln |
| Hurst | Beth | A | Professor | Reading, Foundations and Technology | PHD | University of Arkansas |
| Hutter | James | B | Associate Professor | Agriculture | PHD | University of Minnesota-Twin City |

**Missouri State University**
**Faculty and Administrative Staff**
**(as of September 29, 2017)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Hwang | Chin-Feng | | Professor | Agriculture-Mtn Grv Campus | PHD | University of Iowa |
| Iantria | Linnea | A | Senior Instructor | Geography, Geology and Planning | MTA | George Washington University,T |
| Iman | Gary | L | Instructor | Communication | MA | Missouri State University |
| Iqbal | Razib | | Assistant Professor | Computer Science | PHD | University of Ottawa |
| Ireland | Kimberly | D | Clinical Instructor | Communication Sciences and Disorders | MS | Missouri State University |
| Jackson-Brown | Grace | M | Associate Professor | Library | PHD | Indiana University Bloomington |
| Jahnke | Tamera | S | Dean | College of Natural and Applied Sciences | PHD | University of Iowa |
| Jamos | Abdullah | Mohammad | Assistant Professor | Communication Sciences and Disorders | AUD | Missouri State University |
| Jean-Charles | Alex | J | Assistant Professor | Reading, Foundations and Technology | PHD | University of Illinois-Urbana |
| Jean-Charles | Loretta | L | Instructor | Greenwood Lab School | MS | Radford University |
| Jennings | Bryan | Colby | Assistant Professor | Art and Design | MFA | Washington State University |
| John | Judith | A | Professor | English | PHD | Kansas State University |
| Johnson | David | E A | Associate Professor | Political Science | PHD | University of Pittsburgh |
| Johnson | Richard | A | Professor | Management and Information Technology | PHD | University of Arkansas |
| Jolivette | Catherine | Jane | Professor | Art and Design | PHD | Penn State-University Park Cam |
| Jolley | Jason | R | Department Head | Modern and Classical Languages | PHD | Penn State-University Park Cam |
| Jones | Adena | D | Associate Professor | Psychology | PHD | Texas A&M University-Commerce |
| Jones | Alisha | K | Clinical Assistant Professor | Nursing, School of | MSN | Missouri State University |
| Jones | Cheryl | Gudmundson | Professor | Library | MLS | University of Chicago |
| Jones | Jeffrey | S | Associate Professor | Management and Information Technology | PHD | University of Arkansas |
| Jones | Kristen | E | Instructor | Accountancy, School of | BS | Missouri State University |
| Jones | Lauren | E | Clinic Director | Communication Sciences and Disorders | MS | Missouri State University |
| Jones | Martin | P | Associate Professor | Technology and Construction Management | PHD | Johns Hopkins University,The |
| Jones | Robert | G | Professor | Psychology | PHD | Ohio State University,The |

**Missouri State University**
**Faculty and Administrative Staff**
**(as of September 29, 2017)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Jones | Sarah | M | Clinical Instructor | Communication Sciences and Disorders | AUD | University of Florida |
| Jones | Steven | P | Professor | Reading, Foundations and Technology | PHD | University of Chicago |
| Joswick | David | S | Senior Instructor | Technology and Construction Management | MTECH | University of Houston-Main Campus |
| Jutla | Rajinder | S | Professor | Geography, Geology and Planning | PHD | Virginia Tech |
| Kaatz | James | B | Associate Professor | Political Science | PHD | Northern Illinois University |
| Kaf | Wafaa | | Professor | Communication Sciences and Disorders | MD | Assiut University |
| Kageyama | Yoshimasa | | Assistant Professor | Hospitality Leadership | PHD | University of Central Florida |
| Kane | Thomas | D | Professor | Psychology | PHD | George Mason University |
| Kappeler | Erin | Joyce | Assistant Professor | English | PHD | Tufts University |
| Kaps | Martin | L | Research Professor | Agriculture-Mtn Grv Campus | PHD | Ohio State University,The |
| Karanikas | Marianthe | V | Associate Professor | English | PHD | University of Illinois at Chic |
| Kaufman | Daniel | A | Professor | Philosophy | PHD | Cuny-City College of New York |
| Kaula | Radhika | | Instructor | Management and Information Technology | MBA | Missouri State University |
| Kaula | Rajeev | | Professor | Management and Information Technology | PHD | Binghamton University/Suny |
| Keller | Carl | E | Associate Professor | Accountancy, School of | PHD | University of Tennessee-Knoxville |
| Keltner | Michael | W | Instructor | Kinesiology | EDS | Missouri State University |
| Kelts | Christopher | M | Assistant Professor | Music | DMA | University of Missouri-Kansas City |
| Kemp | Paula | A | Distinguished Professor | Mathematics | PHD | Kansas State University |
| Kennedy | Kathleen | A | Department Head | History | PHD | University of California-Irvin |
| Kenny | Erin | J | Assistant Professor | Sociology and Anthropology | PHD | University of Kentucky |
| Kerr | Jennifer | M | Clinical Assistant Professor | Communication Sciences and Disorders | MS | University of Washington |
| Kettering | Denise | T | Director of Advancement Services | Advancement Services | BS | Missouri State University |
| Keys | Amanda | M | Assistant Professor | Social Work, School of | PHD | University of Missouri-Columbia |
| Kielhofner | Robert | B | Director of Facilities Management | Facilities Management | BS | Kansas State University |
| Killion | John | Kurt | Professor | Mathematics | EDD | University of Georgia |
| Kilmer | Shelby | J | Professor | Mathematics | PHD | Kansas State University |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Kim | Junyoung | | Assistant Professor | Kinesiology | MS | Miami University |
| Kim | Kyoungtae | | Professor | College of Natural and Applied Sciences | PHD | Florida State University |
| Kindhart | Richard | S | Assistant Director for Athletics Communications | Athletics Communications | MS | Southeast Missouri State University |
| King | Elizabeth | K | Assistant Professor | Childhood Education and Family Studies | PHD | University of North Carolina At Gree |
| Kirkland-Ives | Mitzi | K | Associate Professor | Art and Design | PHD | University of Calif-Santa Barbara |
| Kissoon-Charles | La Toya | | Assistant Professor | Biology | PHD | North Dakota State University |
| Kitheka | Bernard | M | Assistant Professor | Kinesiology | PHD | Clemson University |
| Kleeschulte | Melanie | | Instructor | Modern and Classical Languages | MA | Missouri State University |
| Knapp | Timothy | D | Professor | Sociology and Anthropology | PHD | University of Kansas |
| Koch | Philippa | | Assistant Professor | Religious Studies | PHD | University of Chicago |
| Koerber | Robin | Leann | Clinical Instructor | Childhood Education and Family Studies | MSED | Missouri State University |
| Koo | Pedro | G | Associate Professor | Modern and Classical Languages | PHD | University of Oklahoma |
| Korang-Okrah | Rose | | Assistant Professor | Social Work, School of | MSW | Washington University |
| Koroglu | Didem | | Instructor | Communication | MA | Arizona State University |
| Kostic | Bogdan | N | Assistant Professor | Psychology | PHD | Colorado State University |
| Kostovic | Cedomir | | Professor | Art and Design | MFA | Academy of Fine Arts Sarajevo |
| Kovacs | Laszlo | G | Professor | Biology | PHD | University of Missouri-Columbia |
| Kuiper | Matthew | | Assistant Professor | Religious Studies | PHD | University of Notre Dame |
| Kunkel | Allen | D | Associate Vice President for Research and Economic | Research and Economic Development | MPA | University of Missouri-Columbia |
| Kwon | Sockju | | Clinical Assistant Professor | Biomedical Sciences | PHD | Yonsei University |
| Kyle | Jerri | Lynn | Senior Instructor | Communication | MA | Missouri State University |
| LaBarr | Cameron | Frederick | Assistant Professor | Music | DMA | University of North Texas |
| Lambert | Joshua | D | Associate Professor | Library | MLS | Emporia State University |
| Lamouria | Lanya | M | Associate Professor | English | PHD | Washington University |
| Lancaster | Phillip | | Assistant Professor | Agriculture | PHD | Texas A&M University-Main Camp |
| Lancaster | Sarah | | Assistant Professor | Agriculture | PHD | Texas A&M University-Main Camp |
| Lane | Thomas | A | Associate Vice President for Student Life/Dean of Students | Dean of Students | EDD | University of Missouri-Columbia |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| LaPreze | Melody | B | Assistant Professor | Management and Information Technology | PHD | University of Missouri-Columbia |
| Larkin | Kathleen | O | Instructor | Finance and General Business | JD | Saint John's University |
| Larson | Deborah | L | Associate Professor | Media, Journalism & Film | PHD | University of Missouri-Columbia |
| Layman | Jill | K | Assistant Professor | Biomedical Sciences | MS | Missouri State University |
| Leamy | Diane | M | Senior Instructor | Criminology | MS | Illinois State University |
| Leasure | Stanley | | Professor | Finance and General Business | JD | University of Tulsa |
| Leinweber | Ashley | | Assistant Professor | Political Science | PHD | University of Florida |
| Lewis | Heather | Nicole | Instructor | Greenwood Lab School | MED | Drury University |
| Lewis | Kayla | D | Assistant Professor | Reading, Foundations and Technology | PHD | University of Arkansas Little Rock |
| Li | LinDa | | Assistant Professor | Marketing | PHD | University of Alabama |
| Liang | Yating | | Professor | Kinesiology | PHD | Oklahoma State University |
| Libby | Cynthia | Green | Professor | Music | DMA | University of Rochester |
| Liggett | Allan | J | Clinical Associate Professor | Sports Medicine and Athletic Training | MA | University of Nebraska Kearney |
| Ligon | Day | B | Associate Professor | Biology | PHD | Oklahoma State University |
| Lillge | Danielle | | Assistant Professor | English | PHD | University of Michigan-Ann Arb |
| Little | Robert | W | Professor | Theatre and Dance | MFA | Brandeis University |
| Liu | Hui | | Professor | Computer Science | PHD | Georgia State University |
| Livers | Stefanie | | Assistant Professor | Childhood Education and Family Studies | PHD | University of Louisville |
| Llewellyn | John | E | Professor | Religious Studies | PHD | University of Chicago |
| Lockenvitz | Sarah | | Assistant Professor | Communication Sciences and Disorders | PHD | University of Louisiana Lafayette |
| Lokie | Andrew | P | Director of Specialist Project and Editor e-Journ | Student Development and Public Affairs | MSED | Ohio University |
| Lombilla | Luis | Francisco | Senior Instructor | Modern and Classical Languages | MA | Universidad De Alcala |
| Lopez | Joyce | E | Senior Instructor | Management and Information Technology | MSED | Missouri State University |
| Lopinot | Neal | H | Director of Center for Archeological Research | Center for Archaeological Research | PHD | Southern Illinois University-Carbond |
| Lowe | Roberta | A | Instructor | Art and Design | MFA | Indiana University Bloomington |
| Lozano | Justin | D | Director of Disability Resource | Disability Resource Center | MS | Missouri State University |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Luo | Jun | | Associate Professor | Geography, Geology and Planning | PHD | University of Wisconsin-Milwaukee |
| Lupfer | Christopher | | Assistant Professor | Biology | PHD | Oregon State University |
| Lutz | David | J | Professor | Psychology | PHD | University of Kansas |
| Lyman | Sean | M | Professor | Art and Design | MFA | University of Kansas |
| Mabee | Jonathan | | Assistant Professor | Media, Journalism & Film | MFA | Southern Illinois University-Carbond |
| Macgregor | Cynthia | J | Professor | Counseling, Leadership and Special Education | EDD | University of Missouri-Columbia |
| Madden | Etta | M | Professor | English | PHD | University of New Hampshire |
| Maddox | Robert | Paul | Assistant Professor | Counseling, Leadership and Special Education | PHD | University of Wyoming |
| Maher | Sean | P | Assistant Professor | Biology | PHD | University of Kansas |
| Maimone | Luciane | L | Assistant Professor | Modern and Classical Languages | MS | Georgetown University |
| Malega | Ronald | W | Assistant Professor | Geography, Geology and Planning | PHD | University of Georgia |
| Mantie-Kozlowski | Alana | R | Associate Professor | Communication Sciences and Disorders | PHD | University of Louisiana Lafayette |
| Maples | Carol | J | Professor | Theatre and Dance | EDD | University of Missouri-Columbia |
| Margavio | Geanie | W | Associate Professor | Accountancy, School of | PHD | Troy University-Troy |
| Margavio | Thomas | M | Professor | Management and Information Technology | PHD | University of Alabama |
| Martin | Jill | R | Instructor | Greenwood Lab School | MS | Missouri State University |
| Martin | Judith | E | Professor | Modern and Classical Languages | PHD | Washington University |
| Martinez | Blanca | Judith | Instructor | Modern and Classical Languages | MAT | Missouri State University |
| Masterson | Gerald | | Professor | Kinesiology | PHD | University of Mississippi |
| Masterson | Julie | J | Associate Provost and Dean of Graduate College | Graduate College | PHD | University of Memphis |
| Mathew | George | | Professor | Mathematics | PHD | University of Georgia |
| Mathis | S | Alicia | Department Head | Biology | PHD | University of Louisiana Lafayette |
| Matthews | James | C | Instructor | Counseling, Leadership and Special Education | MS | Missouri State University |
| Matthews | Victor | H | Dean | College of Humanitites and Public Affairs | PHD | Brandeis University |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Mattocks | Vicki | Sue | Director of Financial Aid | Financial Aid | MS | Missouri State University |
| Mayanovic | Robert | A | Distinguished Professor | Physics, Astronomy and Materials Science | PHD | Purdue University |
| Mayes | Hillary | J | Instructor | College of Health and Human Services | MS | Missouri State University |
| Mays | Larry | W | Instructor | Kinesiology | EDS | Missouri State University |
| Mbanga | Cedric Tresor | | Assistant Professor | Finance and General Business | DBA | Louisiana Tech University |
| McCallister | Sarah | G | Department Head | Kinesiology | EDD | University of Arkansas |
| McCarthy | Belinda | R | Professor | Counseling, Leadership and Special Education | PHD | University at Albany/Suny |
| McCarthy | Bernard | J | Professor | Criminology | PHD | Florida State University |
| McClain | William | E | Assistant Professor | Agriculture | PHD | University of Missouri-Columbia |
| McConnell | Vanessa | L | Clinical Assistant Professor | Nursing, School of | MSN | Missouri State University |
| McCoy | Katelyn | Nichole | Instructor | Agriculture | MNAS | Missouri State University |
| McCoy | Theresa | A | Director of Computer Services | Computer Services | BS | Drury University |
| McCroskey | Marilyn | J | Professor | Library | MA | University of Missouri-Columbia |
| McIntyre | Stephen | L | Professor | History | PHD | University of Missouri-Columbia |
| McKay | Matthew | Paul | Assistant Professor | Geography, Geology and Planning | PHD | West Virginia University |
| McLean | Annice | H | Senior Instructor | Reading, Foundations and Technology | MS | Missouri State University |
| McManus | Mary | C | Controller | Financial Services | MBA | Amer Grad Sch of Interntl Mgmt |
| McMeley | Cynthia | A | Instructor | Childhood Education and Family Studies | MSED | Missouri State University |
| Meadows | William | C | Professor | Sociology and Anthropology | PHD | University of Oklahoma |
| Meek | Russell | K | Instructor | Finance and General Business | MBA | University of Central Missouri |
| Meinert | David | B | Associate Dean | College of Business | PHD | University of Mississippi |
| Meints | Gary | A | Associate Professor | Chemistry | PHD | University of Washington |
| Meraz | Juan | | Assistant Vice President for Diversity and Inclusion | Diversity and Inclusion | MBA | Missouri State University |
| Merrigan | Michael | W | Clinical Assistant Professor | Management and Information Technology | JD | University of Iowa |
| Metcalf | Holly | V | Clinical Assistant Professor | Communication Sciences and Disorders | MS | Missouri State University |
| Metzker | Helena | P | Instructor | Chemistry | MS | Missouri State University |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Meyer | James | A | Professor | Childhood Education and Family Studies | PHD | University of Missouri-Columbia |
| Meyer | Judith | L | Professor | Geography, Geology and Planning | PHD | University of Wisconsin-Madison |
| Miao | Xin | | Professor | Geography, Geology and Planning | PHD | University of California-Berke |
| Michelfelder | Gary | | Assistant Professor | Geography, Geology and Planning | PHD | Montana State University-Bozem |
| Mickus | Kevin | L | Distinguished Professor | Geography, Geology and Planning | PHD | University of Texas at El Paso |
| Millana | Jocelyn | B | Assistant Professor | Media, Journalism & Film | MFA | Academy of Art University |
| Miller | Andrea | L | Associate Professor | Library | MA | University of Missouri-Columbia |
| Miller | Carol | J | Distinguished Professor | Finance and General Business | JD | University of Missouri-Columbia |
| Miller | F | Thornton | Professor | History | PHD | University of Alabama |
| Miller | Kyle | T | Instructor | History | PHD | University of Missouri-Columbia |
| Mingo | Taryne | M | Assistant Professor | Counseling, Leadership and Special Education | PHD | University of Georgia |
| Mirza | Babur | S | Assistant Professor | Biology | PHD | Texas State University-San Mar |
| Mitchell | D | Wayne | Associate Professor | Psychology | PHD | University of Kansas |
| Mitchell | David | M | Professor | Economics | PHD | Oklahoma State University |
| Mitra | Mahua | B | Professor | Economics | PHD | Iowa State University |
| Mitra | Saibal | | Professor | Physics, Astronomy and Materials Science | PHD | Iowa State University |
| Moats | Kyle | L | Director of Athletics | Intercollegiate Athletics | MS | University of Kentucky |
| Moore | Jennifer | L | Practitioner-in-Residence | Media, Journalism & Film | MS | Missouri State University |
| Moore | Maia | N | Assistant Professor | Counseling, Leadership and Special Education | | |
| Morgan | Michelle | M | Associate Professor | History | PHD | University of Wisconsin-Madison |
| Morganthaler | Jennifer | S | Clinical Instructor | Agriculture-Mtn Grv Campus | BS | Missouri State University |
| Morris | Eric | R | Associate Professor | Communication | PHD | University of Kansas |
| Morris | Joseph | S | Director of New Student and Family Programs | New Student and Family Programs | MA | Missouri State University |
| Morris | Matthew | D | Vice President for Administrative Services | Administrative Services | MBA | Missouri State University |
| Morris | Robert | Tyler | Assistant Professor | Biomedical Sciences | PHD | University of Missouri-Columbia |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Morris | Taleyna | M | Instructor | Communication | PHD | University of Kansas |
| Morrison | Martin | T | Instructor | Music | MM | Southern Illinois University-Edwards |
| Morrissey | Jeff | P | Chief Information officer | Information Services | AA | Central Texas College |
| Moser | Linda | T | Professor | English | PHD | University of California-Davis |
| Mosier | Samantha | | Assistant Professor | Political Science | PHD | Colorado State University |
| Mostyn | Andrea | L | Director of University Communications | University Communications | MPA | Missouri State University |
| Mowrey | Sascha | C | Assistant Professor | Childhood Education and Family Studies | PHD | Vanderbilt University |
| Muchnick | Amy | Faye | Professor | Music | DMA | University of Maryland College |
| Muegge | Frederick | D | Director of Health and Wellness Services | Taylor Health Center | MD | Univesity of Missouri |
| Mueller | Stephen | L | Professor | Management and Information Technology | PHD | University of Texas at Dallas |
| Murray | Michael | A | Professor | Music | DMA | University of Arizona |
| Murray | Michael | F | Professor | Music | DMA | University of Cincinnati |
| Murray | Sarah | E | Senior Instructor | Biomedical Sciences | MS | Illinois State University |
| Murvin | Jennifer | L | Senior Instructor | English | MFA | Pacific States University |
| Naganathan | Hariharan | | Visiting Assistant Professor | Technology and Construction Management | PHD | Arizone State University |
| Neely | Jeremy | C | Instructor | History | PHD | University of Missouri-Columbia |
| Nelson | Eric | W | Professor | History | PHD | University of Oxford |
| Nelson | Jacob | A | Instructor | Technology and Construction Management | MS | Kansas State University |
| Nelson | Walt | A | Associate Professor | Finance and General Business | PHD | Georgia State University |
| Newman | Jonathan | M | Assistant Professor | English | PHD | University of Toronto |
| Newman | Mary | C | Associate Professor | Psychology | PHD | University of Arizona |
| Newton | Sean | C | Associate Professor | Physical Therapy | PHD | Southern Illinois University-Carbond |
| Nixon | Sarah | B | Professor | Reading, Foundations and Technology | PHD | Kent State Univ-Planisek Branc |
| Nordyke | Kathy | J | Director of Citizenship and Service Learning | Citizen and Service Learning | PhD | North Central University |
| Norris | Joye | H | Associate Provost for Access and Outreach | Missouri State Outreach | PHD | Illinois State University |
| Northrip-Rivera | Angelia | M | Senior Instructor | English | MA | Missouri State University |
| Novik | Melinda | G | Associate Professor | Kinesiology | PHD | University of Maryland College |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Novotny | Daniela | | Instructor | Biomedical Sciences | MS | Missouri State University |
| Nugent | Pauline | | Professor | Modern and Classical Languages | PHD | University of Texas at Austin |
| Obafemi-Ajayi | Tayo | | Assistant Professor | Cooperative Engineering Program | PHD | Illinois Institute of Technolo |
| Oden | Debra | H | Professor | Accountancy, School of | JD | St Mary's Univ of San Antonio |
| Odneal | Marilyn | B | Clinical Instructor | Agriculture-Mtn Grv Campus | MS | Madison Area Technical College |
| Oetting | Tara | L | Clinical Associate Professor | Communication Sciences and Disorders | MS | Missouri State University |
| Olsen | Michelle | D | Director of Institutional Research | Institutional Research | PHD | University of North Dakota |
| Olsen | Reed | N | Professor | Economics | PHD | University of Illinois at Chic |
| Olson | Stevan | K | Professor | Accountancy, School of | PHD | University of Wisconsin-Madison |
| Ondetti | Gabriel | A | Associate Professor | Political Science | PHD | University of North Carolina At Chap |
| Onyango | Benjamin | M | Associate Professor | Agriculture | PHD | University of Connecticut |
| Oyeniyi | Bukola | | Assistant Professor | History | PHD | Leiden University |
| Pace | Glenn | R | Senior Instructor | Management and Information Technology | MBA | University of Missouri-Kansas City |
| Paddock | Joel | W | Professor | Political Science | PHD | University of Kansas |
| Palacios-Valladares | Indira | | Assistant Professor | Political Science | PHD | University of North Carolina At Chap |
| Panzer | Sarah | J | Assistant Professor | History | PHD | University of Chicago |
| Pardue | Mary | J | Department Head | Media, Journalism & Film | DA | Middle Tennessee State University |
| Parnell | Patrick | M | Director of International Services office | International Services | MBA | Drury University |
| Parrish | Erin | E | Director of Office of Research Administration | Research Administration | PHD | Saint Louis University |
| Parsons | James | | Professor | Music | PHD | University of North Texas |
| Patterson | Kathryn | A | Clinical Assistant Professor | Nursing, School of | MSN | University of Missouri-Kansas City |
| Patterson | Paula | K | Associate Professor | Music | EDD | University of Missouri-Columbia |
| Patterson | Robert | S | Professor | Physics, Astronomy and Materials Science | PHD | University of Iowa |
| Patton | Marciann | | Senior Instructor | Technology and Construction Management | MSED | Drury University |
| Paul | Ashley | K | Visiting Assistant Professor | Nursing, School of | MSN | Missouri State University |
| Pavlowsky | Robert | T | Distinguished Professor | Geography, Geology and Planning | PHD | University of Wisconsin-Madison |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Paxton | Mark | A | Professor | Media, Journalism & Film | PHD | University of Tennessee-Knoxville |
| Payne | Richard | Todd | Professor | Music | DMA | University of Illinois-Urbana |
| Pearman | Cathy | J | Professor | Reading, Foundations and Technology | PHD | University of Arkansas |
| Penkalski | James | T | Director of Athletic Medical and Rehab Services | Athletic Medical and Rehab Services | MA | Northern Michigan University |
| Penkalski | Melissa | R | Assistant Professor | Nursing, School of | DNP | Missouri State University |
| Perkins | David | R | Assistant Professor | Geography, Geology and Planning | PHD | University of North Carolina At Gree |
| Pervukhin | Eric | | Professor | Art and Design | MFA | University of Illinois at Chic |
| Peters | Grant | S | Professor | Music | DMA | University of North Texas |
| Peters | Thomas | A | Dean | Library | MA | University of Missouri-Kansas City |
| Peterson | Dane | K | Professor | Management and Information Technology | PHD | Southern Illinois University-Carbond |
| Peterson | Lori | T | Assistant Professor | Management and Information Technology | PHD | Texas Tech University |
| Pfeil | Timothy | M | Instructor | Greenwood Lab School | MAT | Missouri State University |
| Pham | Courtney | T | Senior Instructor | Marketing | MBA | Missouri State University |
| Philpot | James | D | Associate Professor | Finance and General Business | PHD | University of Arkansas |
| Piccolo | Diana | L | Associate Professor | Childhood Education and Family Studies | PHD | Texas A&M University-Main Camp |
| Pierson | Carly | C | Instructor | Marketing | MBA | Missouri State University |
| Pierson | Matthew | C | Associate Professor | Cooperative Engineering Program | MS | University of Kansas |
| Poston | Tracey | L | Clinical Assistant Professor | Biomedical Sciences | MPA | Missouri State University |
| Prakash | Puneet | | Associate Professor | Finance and General Business | PHD | Georgia State University |
| Pratt | Harold | W | Assistant to President and Chief Diversity officer | Diversity and Inclusion | BA | Drury University |
| Prescott | John | S | Professor | Music | DMA | University of Kansas |
| Presnell | Raymond | L | Director of Bookstore | Bookstore | BS | Missouri State University |
| Price | Debra | A | Instructor | Childhood Education and Family Studies | MSED | Missouri State University |
| Proctor | Lisa | A | Professor | Communication Sciences and Disorders | PHD | University of Nebraska Lincoln |
| Pszczolkowski | Maciej | A | Research Professor | Agriculture-Mtn Grv Campus | PHD | University of Warsaw |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Pulley | Kathy | J | Professor | Religious Studies | PHD | Boston University |
| Pulleyking | Micki | A | Senior Instructor | Religious Studies | MD | Harvard College |
| Putman | Mark | A | Associate Professor | Theatre and Dance | MFA | University of California-Davis |
| Putzu | Vadim | | Assistant Professor | Religious Studies | PHD | Hebrew Union College |
| Pybas | Kevin | M | Associate Professor | Political Science | JD | University of Tulsa |
| Qi | Kangkang | | Assistant Professor | Management and Information Technology | PHD | Michigan State University |
| Qiao | Yuhua | | Professor | Political Science | PHD | Florida Atlantic University |
| Qiu | Wenping | | Research Professor | Agriculture-Mtn Grv Campus | PHD | North Carolina State University |
| Qiu | Xiaomin | | Associate Professor | College of Natural and Applied Sciences | PHD | Texas State University-San Mar |
| Quinn | Nathaniel | E | Instructor | Counseling, Leadership and Special Education | MA | Pittsburg State University |
| Rabon | John | S | Instructor | Economics | PHD | University of North Carolina At Chap |
| Rader | John | Gary | Director of Online Education Dev and Policy | Missouri State Online | PHD | University of Kansas |
| Ragan | Gay | A | Professor | Mathematics | PHD | University of Missouri-Columbia |
| Ragan | Kent | P | Department Head | Finance and General Business | PHD | University of Missouri-Columbia |
| Rainwater | Douglas | G | Budget And Financial Manager | Provost Office | MS | Missouri State University |
| Ramos | Duany | C | Instructor | Greenwood Lab School | MSED | Missouri State University |
| Rapp | Kelly | E | Interim Director of Career Services | Career Center | PHD | Indiana University Bloomington |
| Ravenscraft | Julia | K | Instructor | Accountancy, School of | MACC | Missouri State University |
| Ray | Jack | H | Assistant Director for Center for Archaeological Research | Center for Archaeological Research | MA | University of Missouri-Columbia |
| Rebaza-Vasquez | Jorge | L | Professor | Computer Science | PHD | Georgia Institute of Technolog |
| Rector | Paula | K | Senior Instructor | Criminology | MS | Northern Arizona University |
| Redd | Emmett | R | Professor | Physics, Astronomy and Materials Science | PHD | Missouri University of Science and Technology |
| Reece | Lisa | Lorraine | Instructor | Chemistry | MS | Pittsburg State University |
| Reed | Michael | D | Professor | Physics, Astronomy and Materials Science | PHD | Iowa State University |
| Reid | Helen | C | Dean | College of Health and Human Services | PHD | Kansas State University |
| Reid | Leslie | F | Professor | Mathematics | PHD | Duke University |
| Reinis | Austra | | Professor | Religious Studies | PHD | Princeton Theological Seminary |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Remley | Melissa | A | Assistant Professor | Agriculture | PHD | University of Missouri-Columbia |
| Richter | Mark | M | Professor | Chemistry | PHD | Washington State University |
| Rico | Cyren | M | Assistant Professor | Chemistry | PHD | University of Texas at El Paso |
| Rimal | Arbindra | | Professor | Agriculture | PHD | University of Florida |
| Roam | Kimberly | J | Clinical Instructor | Childhood Education and Family Studies | MS | Missouri State University |
| Roberts | Hillary | L | Senior Instructor | Biomedical Sciences | MS | University of Sydney |
| Roberts | Jenifer | J | Assistant Professor | Merchandising and Fashion Design | PHD | Northcentral University |
| Roberts | Tuesda | S | Assistant Professor | Reading, Foundations and Technology | PHD | Michigan State University |
| Robinette | Stephen | H | Associate Vice President for International Program Outreach | International Programs | MA | Missouri State University |
| Robinson | Barbara | Susan | Professor | Physical Therapy | PHD | Creighton University |
| Robinson | Melinda | | Instructor | Theatre and Dance | MFA | University of Southern California |
| Robison | Jane | E | Executive Director of English Language Institute | English Language Institute | EDD | University of Missouri-Columbia |
| Rodriguez de la Vega | Vanessa | | Assistant Professor | Modern and Classical Languages | PHD | Texas Tech University |
| Rogers | Lori | E | Senior Instructor | English | MA | Missouri State University |
| Rogers | Mark | W | Associate Professor | Mathematics | PHD | Purdue University |
| Rohall | David | | Department Head | Sociology and Anthropology | PHD | University of Maryland College |
| Rojas-McWhinney | Jennifer | | Assistant Professor | Childhood Education and Family Studies | PHD | Texas Tech University |
| Romano | David | | Professor | Political Science | PHD | University of Toronto |
| Rosenkoetter | John | S | Associate Professor | Psychology | PHD | University of Missouri-Columbia |
| Ross | Jaime | M | Director of Adult Non-Traditional Student Resources | Adult Student Services | BS | Missouri State University |
| Rost | Ann | D | Professor | Psychology | PHD | University of Kansas |
| Rothschild | Philip | C | Associate Professor | Management and Information Technology | PHD | Florida State University |
| Rovey | Charles | W | Professor | Geography, Geology and Planning | PHD | University of Wisconsin-Milwaukee |
| Rowe | Roberta | A | Senior Instructor | Communication | MA | Missouri State University |
| Rozell | Elizabeth | J | Associate Dean | College of Business | PHD | University of Mississippi |
| Runke | Gayle | Ann | Assistant Professor | Kinesiology | MS | University of Arizona |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Russell | Regina | M | Clinical Instructor | Social Work, School of | MSW | University of Texas at Arlington |
| Sailors | Pamela | R | Associate Dean | College of Humanitites and Public Affairs | PHD | University of Georgia |
| Sakidja | Ridwan | | Associate Professor | Physics, Astronomy and Materials Science | PHD | University of Wisconsin-Madison |
| Salinas | Patti | J | Associate Professor | Criminology | PHD | Sam Houston State University |
| Sampson | Douglas | H | University Architect and Director of Planning, Design and Construction | Planning, Design and Construction | BS | University of Nebraska |
| Saquer | Jamil | M | Associate Professor | Computer Science | PHD | University of Nebraska Lincoln |
| Satterfield | James | | Department Head | Counseling, Leadership and Special Education | EDD | Eastern Michigan University |
| Satterfield | Michelle | Ann | Clinical Instructor | Childhood Education and Family Studies | MAT | Aurora University |
| Sauer | Aaron | D | Assistant Professor | Technology and Construction Management | PhD | Indiana State University |
| Saunders | Georgianna | L | Associate Professor | Biology | PHD | University of Oklahoma |
| Saxon | Caryn | E | Instructor | Criminology | MS | Missouri State University |
| Schaefer | Allen | D | Professor | Marketing | PHD | Kansas State University |
| Schaefer | Weirong | Y | Senior Instructor | Modern and Classical Languages | PHD | Kyoto University |
| Schick | G | Alan | Professor | Chemistry | PHD | University of California-River |
| Schmalzbauer | John | A | Associate Professor | Religious Studies | PHD | Princeton University |
| Schmelzle | George | D | Professor | Accountancy, School of | PHD | University of Mississippi |
| Schotthofer | Melissa | J | Clinical Instructor | Childhood Education and Family Studies | MA | University of Missouri-Columbia |
| Scott | Patrick | G | Professor | Political Science | PHD | Syracuse University |
| Scott | Shari | L | Instructor | Counseling, Leadership and Special Education | EDD | Tennessee State University,A.W |
| Scott | Vicky | Lynn | Instructor | Music | MSED | Missouri State University |
| Scroggins | Wesley | A | Professor | Management and Information Technology | PHD | New Mexico State University |
| Seawright | Leslie | | Assistant Professor | English | PHD | University of Arkansas |
| Sedaghat-Herati | Reza | | Professor | Chemistry | PHD | University of Surrey |
| Sells | Patrick | R | Instructor | Management and Information Technology | MBA | Missouri State University |
| Senger | Steven | | Assistant Professor | Mathematics | PHD | University of Missouri-Columbia |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Seo | Jin | A | Assistant Professor | Art and Design | MFA | University of Illinois-Urbana |
| Setzer | Shelby | M | Instructor | Greenwood Lab School | EDS | Missouri State University |
| Sexton | Randall | S | Professor | Management and Information Technology | PHD | University of Mississippi |
| Shah | Kishor | | Professor | Mathematics | PHD | Purdue University |
| Shain | Ralph | E | Associate Professor | Philosophy | JD | Stanford University |
| Shand-Hawkins | Carolyn | H | Instructor | Mathematics | MS | Missouri State University |
| Shao | Feibo | | Assistant Professor | Management and Information Technology | PHD | Oklahoma State University |
| Shaw | Jason | L | Assistant Professor | Physical Therapy | DPT | A.T. Still University |
| Shaw | Margaret | Suzanne | Vice President for Marketing and Communication | Marketing and Communication | MBA | Dartmouth College |
| Shea | Harry | D | Instructor | Mathematics | MA | University of Maine At Orono |
| Shepard | Jason | A | Instructor | Sociology and Anthropology | MPH | Missouri State University |
| Sherman-Wilkins | Kyler | | Assistant Professor | Sociology and Anthropology | BS | Cornell University |
| Sherrill | Donna | N | Senior Instructor | Mathematics | MSED | Missouri State University |
| Shi | Yili | | Professor | English | PHD | Ball State University |
| Shirley | Corinne | E | Senior Instructor | Modern and Classical Languages | PHD | Indiana University Bloomington |
| Shoptaugh | Carol | F | Professor | Psychology | PHD | University of Missouri-St Louis |
| Shoumikhin | Andrei | Y | Instructor | Defense and Strategic Studies | | |
| Siebert | Matthew | | Assistant Professor | Chemistry | PHD | University of California-Davis |
| Simmers | Christina | S | Professor | Marketing | PHD | Louisiana St Univ/A&M-Baton Ro |
| Simmons | Daniel | | Assistant Professor | Communication | PHD | Southern Illinois University-Carbond |
| Simpson | Donald | E | Associate Vice President for Enrollment Management and Services | Enrollment Management and Services | MS | University of Missouri-Columbia |
| Siscoe | Denita | S | Vice President for Student Affairs | Student Affairs | EDD | University of North Texas |
| Skiba | Jenifer | | Assistant Professor | Marketing | PHD | University of Nebraska Lincoln |
| Skibiski | Barbara | Jeanie | Assistant Professor | Biomedical Sciences | MHA | Missouri State University |
| Smart | Clifton | M | President | President's Office | JD | University of Arkansas |
| Smith | Cara | L | Clinical Instructor | Childhood Education and Family Studies | MA | University of Missouri-Columbia |
| Smith | Joshua | J | Associate Professor | Biomedical Sciences | PHD | University of Minnesota-Twin City |
| Smith | Lloyd | A | Professor | Computer Science | PHD | University of North Texas |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Smith | Michele | D | Assistant Vice President for Student Affairs | Multicultural Services | PHD | Ohio University |
| Smotherman | Rebecca | J | Instructor | Counseling, Leadership and Special Education | MS | Missouri State University |
| Snow | Donald | Bradley | Assistant Professor | Music | DMA | University of Southern Mississippi |
| Sobel | Elizabeth | A | Professor | Sociology and Anthropology | PHD | University of Michigan-Ann Arb |
| Sottile | James | | Associate Dean | College of Education | EDD | West Virginia University |
| Spates | Stephen | | Assistant Professor | Communication | MA | Western Michigan University |
| Stafford | Gary | L | Senior Instructor | Mathematics | MA | Missouri State University |
| Stalnaker | Jo | Lynne | Instructor | Management and Information Technology | MED | Wichita State University |
| Stanojevic | Vera | B | Professor | Mathematics | PHD | University of Belgrade |
| Stanton | Rhonda | J | Assistant Professor | English | PHD | Texas Tech University |
| Starr | Cathy | L | Associate Professor | Merchandising and Fashion Design | PHD | Oklahoma State University |
| Steinle | Erich | D | Associate Professor | Chemistry | PHD | University of Michigan-Ann Arb |
| Stewart | Gary | K | Director of Residence Life Housing and Dining Services | Residence Life Housing and Dining Services | BA | University of Missouri-Columbia |
| Stewart | Rabekah | D | Executive Director of TRIO and Multicultural Student Retention | TRIO and Multicultural Student Retention | PHD | Walden University |
| Stewart | Tammy | R | Assistant Professor | Library | MA | University of Missouri-Columbia |
| Stormer | Kimberly | J | Assistant Professor | Reading, Foundations and Technology | PHD | University of Oklahoma |
| Storochuk | Allison | M | Professor | Music | DMA | Arizona State University |
| Stout | Tracy | L | Associate Professor | Library | MA | University of Arizona |
| Stowe | Michael | A | Senior Instructor | English | MA | Missouri State University |
| Strong | Elizabeth | C | Director of Study Away Programs | Study Away | MBA | Missouri State University |
| Strong | John | T | Professor | Religious Studies | PHD | Union Theological Sem in VA |
| Stulce | Tara | J | Clinical Instructor | Biomedical Sciences | MPH | Missouri State University |
| Su | Wei-Han | | Professor | Music | DMA | Johns Hopkins University,The |
| Su | Yingcai | | Professor | Mathematics | PHD | University of North Carolina At Chap |
| Sudbrock | Christine | E | Instructor | Agriculture | MS | University of Illinois-Urbana |
| Sukovaty | Lacy | Dawn | Assistant Professor | Agriculture | DVM | University of Missouri-Columbia |
| Sullivan | Patrick | | Assistant Professor | Mathematics | PHD | Penn State-University Park Cam |
| Sun | Linda | R | Instructor | Mathematics | MS | University of Texas at Austin |
| Sun | Xingping | | Professor | Mathematics | PHD | University of Texas at Austin |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Suttmoeller | Michael | | Assistant Professor | Criminology | PHD | Michigan State University |
| Sutton | Victoria | L | Instructor | Greenwood Lab School | EDS | Missouri State University |
| Swearingen | Rebecca | | Associate Professor | Reading, Foundations and Technology | EDD | Oklahoma State University |
| Tassin | Kerri | Lynn | Assistant Professor | Accountancy, School of | JD | University of Tulsa |
| Taylor | Darren | S | Instructor | Greenwood Lab School | MSED | Missouri State University |
| Test | Joan | E | Associate Professor | Childhood Education and Family Studies | EDD | Harvard College |
| Thomas | Steven | L | Professor | Management and Information Technology | PHD | University of Kansas |
| Thomas | Suneeta | | Assistant Professor | English | PHD | Purdue University |
| Thomas-Tate | Shurita | | Associate Professor | Communication Sciences and Disorders | PHD | Ohio State University,The |
| Thompson | Chris | A | Professor | Music | DM | University of Kansas |
| Thompson | Kip | R | Assistant Professor | Master of Public Health | PHD | University of South Alabama |
| Tiffin | Shelby | | Assistant Professor | Communication Sciences and Disorders | BA | University of Alabama |
| Timson | Benjamin | F | Professor | Biomedical Sciences | PHD | Washington State University |
| Tinsley | Tonia | E | Associate Professor | Modern and Classical Languages | PHD | Washington University |
| Tipton | Sara | Lynn | Clinical Instructor | Childhood Education and Family Studies | EDS | Missouri State University |
| Tivener | Kristin | A | Clinical Instructor | Sports Medicine and Athletic Training | MS | University of Central Missouri |
| Tomasi | Thomas | E | Professor | Biology | PHD | University of Utah |
| Towell | Jay | | Assistant Professor | Mathematics | MS | Arkansas State University |
| Tripi | Anna | M | Instructor | Mathematics | BS | Missouri State University |
| Trick | Abel | Jerry | Assistant Professor | Mathematics | MSED | Missouri State University |
| Troche | Julia | D | Assistant Professor | History | PHD | Brown University |
| Turner | John | R | Senior Instructor | English | MA | Pittsburg State University |
| Turner | Jon | S | Assistant Professor | Counseling, Leadership and Special Education | EDD | University of Missouri-Columbia |
| Twibell | Andrew | D | Assistant Professor | Media, Journalism & Film | MFA | Florida State University |
| Udan | Ryan | | Assistant Professor | Biology | PHD | Baylor College of Medicine |
| Ulbricht | Randi | J | Assistant Professor | Biomedical Sciences | PHD | University of Missouri-St Louis |

**Missouri State University**
**Faculty and Administrative Staff**
**(as of September 29, 2017)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Uribe-Zarain | Ximena | | Assistant Professor | Counseling, Leadership and Special Education | PHD | University of Delaware |
| Uruakpa-Nweke | Florence | O | Assistant Professor | Biomedical Sciences | PHD | University of Manitoba |
| Utley | Rose | A | Professor | Nursing, School of | PHD | Wayne State University |
| Van Landuyt | Cathryn | A | Senior Instructor | Management and Information Technology | PHD | University of St Andrews |
| Van Ornum | Kimberly | Justine | Senior Instructor | Mathematics | MS | Missouri State University |
| Vaughan | David | A | Director of Environmental Management | Environmental Health and Safety | BS | Missouri State University |
| Visio | Michelle | E | Professor | Psychology | PHD | Southern Illinois University-Carbond |
| Vollmar | Kenneth | R | Professor | Computer Science | PHD | Southern Methodist University |
| Vu | Duat | | Associate Professor | Art and Design | MFA | University of Connecticut |
| Wahl | Shawn | T | Department Head | College of Art and Letters | PHD | University of Nebraska Lincoln |
| Wait | D | Alexander | Professor | Biology | PHD | Syracuse University |
| Walker | Alicia | M | Assistant Professor | Sociology and Anthropology | PHD | University of Kentucky |
| Walker | Elizabeth | L | Associate Professor | Agriculture | PHD | University of Missouri-Columbia |
| Walker | Ruth | V | Assistant Professor | Psychology | PHD | University of Akron |
| Walker-Pacheco | Suzanne | E | Professor | Sociology and Anthropology | PHD | Cuny-City College of New York |
| Wallace | J | Dane | Instructor | Modern and Classical Languages | MA | Missouri State University |
| Wallentine | Scott | W | Associate Professor | Physical Therapy | PHD | Creighton University |
| Walstrand | Gwen | D | Professor | Art and Design | MFA | University of Iowa |
| Walters | Heather | L | Senior Instructor | Communication | JD | University of Georgia |
| Wanekaya | Adam | | Professor | Chemistry | PHD | State Univ of New York At New |
| Wang | Fei | | Assistant Professor | Chemistry | PHD | Iowa State University |
| Wang | Jianjie | | Associate Professor | Biomedical Sciences | PHD | University of Missouri-Columbia |
| Wang | Weiyan | | Associate Professor | Media, Journalism & Film | MFA | Ohio University |
| Wang | Yang | | Professor | Computer Science | PHD | University of Nebraska Lincoln |
| Ward | V | Jane | Instructor | Reading, Foundations and Technology | EDD | Lindenwood University |
| Watson | Margaret | K | Assistant Professor | Sociology and Anthropology | PHD | University of New Mexico |
| Weaver | Margaret | E | Professor | English | PHD | University of Texas at Arlington |
| Webb | Gary | W | Professor | Agriculture | PHD | Texas A&M University-Main Camp |
| Webb | Susan | | Senior Instructor | Agriculture | PHD | Texas A&M University-Main Camp |
| Weber | Donald | T | Director of Plaster Student Union | Plaster Student Union | MA | Bowling Green State University |

# Missouri State University
## Faculty and Administrative Staff
## (as of September 29, 2017)

| | | | | | | |
|---|---|---|---|---|---|---|
| Wehrman | Erin | C | Assistant Professor | Communication | BA | Missouri State University |
| West | Bruce | J | Professor | Art and Design | MFA | Penn State-University Park Cam |
| Westenberg | Robert | W | Associate Professor | Theatre and Dance | MFA | American Conservatory Theater |
| Whipple | Tanya | L | Senior Instructor | Psychology | PSYD | Forest Institute of Prof Pscy |
| Whisenhunt | Brooke | L | Professor | Psychology | PHD | Louisiana St Univ/A&M-Baton Ro |
| White | Letitia | J | Department Head | Communication Sciences and Disorders | PHD | East Carolina University |
| White | Timothy | R | Associate Professor | Media, Journalism & Film | PHD | University of Wisconsin-Madison |
| White | Wajeana | Gail | Instructor | Hospitality Leadership | BS | Missouri State University |
| Wickham | Cameron | G | Professor | Mathematics | PHD | University of Utah |
| Wiechert | Raegan | N | Assistant Professor | Library | MA | University of Missouri-Columbia |
| Wiggin | Sarah | J | Associate Professor | Theatre and Dance | MFA | University of Arizona |
| Wilcoxon | Sarah | | Assistant Professor | Theatre and Dance | MFA | Florida State University |
| Wiley | Tammy | B | General Manager of KSMU | KSMU | MA | Missouri State University |
| Wilker | Karl | L | Research Professor | Agriculture-Mtn Grv Campus | PHD | Ohio State University,The |
| Willey | Marc | S | Assistant Professor | Occupational Therapy | PHD | University of Arkansas |
| Williams | John | R | Director of School of Accountancy | Accountancy, School of | PHD | University of Mississippi |
| Williams | Joseph | P | Senior Instructor | Biomedical Sciences | MS | Missouri State University |
| Williams | Sarah | K | Assistant Professor | Art and Design | MFA | University of North Texas |
| Williamson | Elizabeth | M | Associate Professor | Physical Therapy | PHD | Texas Tech University |
| Willis | Steven | C | Professor | Art and Design | PHD | Florida State University |
| Wills | C | Michael | Director of Procurement | Procurement Services | MBA | Drury University |
| Willson | Douglas | B | Bursar | Bursars Office | BS | Missouri State University |
| Wilson | Daniel | J | Professor | Kinesiology | PHD | Michigan State University |
| Winstead | Cynthia | J | Professor | Theatre and Dance | MFA | University of Virginia-Main Campus |
| Wisdom | Barry | L | Professor | Management and Information Technology | PHD | University of Arkansas Little Rock |
| Witkowski | Colette | M | Department Head | Biomedical Sciences | PHD | University of Arizona |
| Witte | Hugh | D | Associate Professor | Finance and General Business | PHD | University of Arizona |
| Wittenberg | Brittany | M | Assistant Professor | Childhood Education and Family Studies | PHD | University of Texas at Austin |
| Wood | Gina | M | Clinical Assistant Professor | Childhood Education and Family Studies | EDD | Lindenwood University |
| Wood | Kelly | S | Professor | First Year Programs | PHD | Ohio University |

**Missouri State University**

**Faculty and Administrative Staff**
**(as of September 29, 2017)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Wood | Mary | Ann | Director of Public Affairs Support | Public Affairs | MS | Kansas State University |
| Woodard | Rebecca | J | Professor | Kinesiology | PHD | Indiana University Bloomington |
| Wooden | Shannon | R | Professor | English | PHD | University of North Carolina At Chap |
| Worman | Frederick | Scott | Assistant Professor | Sociology and Anthropology | PHD | University of New Mexico |
| Wright | Matthew | E | Associate Professor | Mathematics | PHD | University of Missouri-Columbia |
| Yadon | Carly | A | Associate Professor | Psychology | PHD | Colorado State University |
| Yan | Chen | | Instructor | Management and Information Technology | MS | Michigan State University |
| Yang | Zhiguo | | Assistant Professor | Management and Information Technology | PHD | University of Kentucky |
| Yarberry | Vonda | K | Professor | Art and Design | MFA | Cathedral Coll-Imm Conception |
| Yarckow-Brown | Ivy | V | Senior Instructor | Criminology | MS | University of North Texas |
| Yoshimatsu | Keiichi | | Assistant Professor | Chemistry | PHD | Lund University |
| Zalewska-Duszek | Iwona | | Senior Instructor | Art and Design | MFA | University of Illinois at Chic |
| Zastoupil | John | | Assistant Professor | Music | DMA | Northwestern University |
| Zhang | Ying | Jenny | Associate Professor | Finance and General Business | PHD | University of Kansas |
| Zheng | Songfeng | | Associate Professor | Mathematics | PHD | University of California-Los A |
| Zhou | Fan | | Instructor | Mathematics | MS | Missouri State University |
| Ziegler | Carol | Raeleen | Director of Veteran Student | Veterans Student Services | MED | Drury University |
| Zimmerman | David | M | Assistant Professor | Psychology | PHD | City Univ of NY-Hunter Clg |
| Zimmerman | Scott | D | Associate Professor | Biomedical Sciences | PHD | University of Wyoming |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Adler | Aaron | Physical Therapy | Doctor of Physical Therapy | Missouri State University | 2011 | adler2011@missouristate.edu |
| Aleshire | Tabitha | Social Work | Master of Social Work | Missouri State University | 2009 | tabithaaleshire@missouristate.edu |
| Allen | Nancy | Finance & General Business | Juris Doctor | Univ Of Missouri-Columbia | 1980 | nallen@missouristate.edu |
| Allen | Randall | Hospitality Leadership | Bachelor of Accounting | Missouri State University | | allen013@missouristate.edu |
| Allgeier | Stephanie | Theatre & Dance | Bachelor of Science | Missouri State University | 2017 | allgeier5000@live.missouristate.edu |
| Ampleman | James | Marketing | Master of Business Admin | Univ Of Central Oklahoma | 1997 | jamesampleman@missouristate.edu |
| Anderson | Barbara | English | Master of Arts | Missouri State University | 2016 | anderson417@live.missouristate.edu |
| Anderson | Jason | Counseling Leadership & Special Ed | Doctorate in Education | Univ Of Missouri-Columbia | 2006 | jasonanderson@missouristate.edu |
| Anderson-Ituarte | Julie | Counseling Leadership & Special Ed | Master of Arts | Univ Of Arizona | 1995 | jituarte@missouristate.edu |
| Appelquist | John | Criminology | Juris Doctor | Univ Of Missouri-Columbia | 1988 | jappelquist@missouristate.edu |
| Arciniegas | Guillermo | Modern & Classical Languages | Bachelor of Science | Missouri State University | 2013 | garciniegas@missouristate.edu |
| Armstrong | Barrington | Foreign Language Institute | Master of Arts | Liberty University | 2014 | barmstrong@missouristate.edu |
| Athmer | Keith | Management & Information Technology | Master of Science | Missouri State University | 2015 | athmer1960@missouristate.edu |
| Austin | Jerome | Agriculture | | | | jbaustin@missouristate.edu |
| Baker | Shane | Childhood Ed & Family Studies | Master of Science in Educ | Arkansas State Univ-Jonesboro | 1986 | shanebaker@missouristate.edu |
| Baldwin | Justin | Theatre & Dance | Bachelor of Arts | Miami University | 2016 | jbaldwin@missouristate.edu |
| Baltes | Jennifer | Psychology | Master of Science | Missouri State University | 1998 | jenniferbaltes@missouristate.edu |
| Baney | Jon | Communication | Master of Arts | Missouri State University | 2014 | baney379@live.missouristate.edu |
| Barker | Michael | Physical Therapy | Doctor of Medicine | University Of Washington | 2002 | mjbarker@missouristate.edu |
| Barnett | Helen | Sociology & Anthropology | Master of Arts | Lincoln University-MO | 1986 | helenbarnett@missouristate.edu |
| Batchman | Marluce | Foreign Language Institute | Bachelor in Arts | Fafita University in Brazil | 1995 | mbatchman@missouristate.edu |
| Bateman | James | Computer Information Systems | Master of Science | Missouri State University | 2016 | jamesbateman@missouristate.edu |
| Bauer | Diane | Childhood Ed & Family Studies | Bachelor of Science | Missouri State University | 1995 | dbauer@missouristate.edu |
| Baum | Allicia | Counseling Leadership & Special Ed | Doctor of Psychology | Forest Institute Of Prof Pscy | 2002 | alliciabaum@missouristate.edu |
| Beberniss | Kathy | Biomedical Sciences | Master of Science in Educ | Univ Of Nebraska Kearney | 1981 | ksbeberniss@missouristate.edu |
| Beck | Peggy | Social Work | Master of Social Work | Missouri State University | 2011 | peggybeck@missouristate.edu |
| Beisner | Thomas | Accounting | Bachelor of Arts | University of South Florida | | tbeisner@missouristate.edu |
| Belongy | Sharon | Social Work | Master of Arts in Teaching | Missouri State University | 2004 | sharon101@missouristate.edu |
| Bennett | Susan | Theatre & Dance | Master of Fine Arts | Lindenwood University | 1987 | susanbennett@missouristate.edu |
| Bergant | Amy | Modern & Classical Languages | Master of Arts | Univ Of Missouri-Columbia | 2011 | amy969@missouristate.edu |
| Berman | Ilan | Defense And Strategic Studies | Juris Doctor | American University | 2000 | ilanberman@missouristate.edu |
| Bihlmeyer | James | Media, Journalism & Film | Master of Fine Arts | Ohio University | 1987 | jaimebihlmeyer@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Bishop | Rhonda | Childhood Ed & Family Studies | Doctorate in Education | Univ Of Missouri-Columbia | 2010 | rhonda518@missouristate.edu |
| Black | Angela | Theatre & Dance | | | | anblack@missouristate.edu |
| Bodenstein | Amanda | History | Master of Arts | Missouri State University | 2011 | amanda0924@missouristate.edu |
| Booher | Kary | Media, Journalism & Film | Bachelor of Arts | Oklahoma State University | 1997 | kbooher@missouristate.edu |
| Borich | Lynn | Communication | Master of Arts | Missouri State University | 1991 | lkborich@missouristate.edu |
| Borich | Michael | Media, Journalism & Film | Master of Fine Arts | University Of California-Irvin | 1979 | mborich@missouristate.edu |
| Botsford | Diana | Media, Journalism & Film | Master of Arts | Seton Hill University | 2006 | dbotsford@missouristate.edu |
| Bowden | Dennis | Defense And Strategic Studies | Master of Arts | Indiana University Bloomington | 1985 | dennisjbowden@missouristate.edu |
| Boyer | Mark | Religious Studies | Master of Arts | Indiana University Bloomington | 1981 | markboyer@missouristate.edu |
| Boyt | Tamera | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 1997 | tboyt@missouristate.edu |
| Bozarth | Mary | Criminology | Juris Doctor | University Of Miami | 2006 | marybozarth@missouristate.edu |
| Brady | Katherine | Marketing | Master of Business Admin | Missouri State University | 2008 | katiebrady@missouristate.edu |
| Brammer | Ronald | Music | Bach of Science in Education | Univ Of Arkansas | 1972 | rbrammer@missouristate.edu |
| Brasier | Jason | Media, Journalism & Film | Bachelor of Science | Missouri State University | 2009 | jasonbrasier@missouristate.edu |
| Brinkman | Bryan | History | Doctor of Philosophy | Brown University | 2016 | bbrinkman@missouristate.edu |
| Brocaille | Nicole | Psychology | Master of Science | Missouri State University | 2013 | mardirosian21@missouristate.edu |
| Bronson | Lisa | Defense And Strategic Studies | Juris Doctor | Cornell University | 1982 | lbronson@missouristate.edu |
| Brown | Bryan | Communication | Doctor of Philosophy | Southern Illinois Univ-Carbond | 2014 | bryanbrown@missouristate.edu |
| Brown | Erin | Communication | Bachelor of Science | Missouri State University | 2005 | ebrown@missouristate.edu |
| Brown | Gina | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 2011 | ginabrown@missouristate.edu |
| Brown | Michele | Social Work | Master of Social Work | Missouri State University | 2012 | michele516@missouristate.edu |
| Bruce | Richard | Technology & Construction Mgmt | Doctor of Philosophy | Indiana State University | 2008 | richardbruce@missouristate.edu |
| Brunner | Judy | Reading Foundations & Technology | Specialist in Education | Missouri State University | 1990 | judybrunner@missouristate.edu |
| Bryant | Emery | Kinesiology | Bachelor of Science | Missouri State University | 2002 | emerybryant@missouristate.edu |
| Buckle-Lamy | Susan | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 2009 | susanlamy@missouristate.edu |
| Budd | Emily | Art & Design | Master of Fine Arts | Missouri State University | 2017 | budd80@live.missouristate.edu |
| Buening | Caitlin | Physical Therapy | Doctor of Physical Therapy | A.T. Still University | 2016 | cbuening@missouristate.edu |
| Buergler | Melanie | Missouri State Outreach | Master of Science | Missouri State University | 2003 | melaniefischer@missouristate.edu |
| Bullard | Steven | Accounting | Masters in Taxation | Univ Of Denver | 1978 | stevenbullard@missouristate.edu |
| Bunton | Molly | First Year Programs | Master of Science | Missouri State University | 2013 | bunton212@live.missouristate.edu |
| Bush | Rachel | Theatre & Dance | Master of Arts | Missouri State University | 2012 | rachel787@missouristate.edu |
| Bussey | Marie | Art & Design | Master of Fine Arts | Western Michigan University | 1987 | mtbussey@missouristate.edu |
| Byrket | Jacqueline | Psychology | Master of Science | Missouri State University | 2016 | Byrket0835@live.missouristate.edu |
| Cagle | Michael | Mathematics | Master of Arts | Missouri State University | 1994 | michaelcagle@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Call | Anna | Communication Sciences & Disorders | Master of Science | Missouri State University | 2013 | anna08@missouristate.edu |
| Cameron | Paul | Biomedical Sciences | Master of Arts | Univ Of Central Missouri | 1971 | pcameron@missouristate.edu |
| Campbell | Stephanie | Psychology | Doctor of Philosophy | Mississippi State University | 2002 | scampbell@missouristate.edu |
| Cantrell | Jena | Music | Master of Music | Missouri State University | 2015 | jenacantrell@missouristate.edu |
| Cantrell | Jennifer | Counseling Leadership & Special Ed | Specialist in Education | Missouri State University | 2005 | jkcantrell@missouristate.edu |
| Capeci | Dominic | History | Doctor of Philosophy | University Of California-River | 1970 | dominiccapeci@missouristate.edu |
| Carleton-Marshall | Sarah | History | Master of Education | Drury University | 2014 | carletonmarshall@missouristate.edu |
| Carstens | Kenneth | Sociology & Anthropology | Doctor of Philosophy | Washington University In St Lo | 1980 | kcarstens@missouristate.edu |
| Carter | Jonathan | Computer Science | Bachelor of Science | Missouri State University | 2008 | jcarter@missouristate.edu |
| Carter | Randy | Art & Design | Master of Science | Missouri State University | 2006 | randyscarter@missouristae.edu |
| Carver | Jeanie | Criminology | Master of Science | Oklahoma State University | 2007 | jcarver@missouristate.edu |
| Casada | Amy | Kinesiology | Master of Science | Missouri State University | 2016 | atorcasso@missouristate.edu |
| Chapman | Doren | Media, Journalism & Film | Bachelor of Fine Arts | Missouri State University | 2014 | doren252@missouristate.edu |
| Chenoweth | Amelia | Counseling Leadership & Special Ed | Master of Science | Missouri State University | 1987 | amelia302@missouristate.edu |
| Choate | Lenetta | Psychology | Master of Arts | Southern Connecticut State Uni | 1998 | lenettachoate@missouristate.edu |
| Christell | Todd | Management & Information Technology | Master of Business Admin | Missouri State University | 2011 | todd000@missouristate.edu |
| Christiansen | Ashley | Psychology | Doctor of Philosophy | Univ Of Houston-Main Campus | 2012 | achristiansen@missouristate.edu |
| Cockrum | Leslie | Communication Sciences & Disorders | Master of Science | Missouri State University | 2004 | lturner@missouristate.edu |
| Coker | Calvin | Communication | Master of Arts | Missouri State University | 2014 | calvincoker@missouristate.edu |
| Coker | Whitney | Communication | Master of Arts | Missouri State University | 2014 | whitneycoker@missouristate.edu |
| Collier | Meaghan | History | Master of Arts | Missouri State University | 2010 | mcollier@missouristate.edu |
| Collier | Meaghan | Missouri State Outreach | Master of Arts | Missouri State University | 2010 | mcollier@missouristate.edu |
| Collins | Christopher | Missouri State Outreach | Doctor of Philosophy | Southern Illinois Univ-Carbond | 2009 | christophercollins@missouristate.edu |
| Collins | Christopher | Outreach Registration | Doctor of Philosophy | Southern Illinois Univ-Carbond | 2009 | christophercollins@missouristate.edu |
| Coltharp | Joel | English | Master of Arts | Missouri State University | 2015 | joel114@live.missouristate.edu |
| Condict | Glenda | Reading Foundations & Technology | Specialist in Education | Missouri State University | 2005 | glendacondict@missouristate.edu |
| Cook | Heather | English | Master of Arts | Missouri State University | 2012 | heather626@live.missouristate.edu |
| Cornelius-White | Cecily | Psychology | Doctor of Psychology | Illinois School of Professional Psy. | 2002 | cfcorneliuswhite@missouristate.edu |
| Coulter | Adam | Geography Geology & Planning | Master of Science | Shippensburg University Of Pen | 1995 | adamcoulter@missouristate.edu |
| Cowsert | Derek | English | Master of Arts | Missouri State University | 2013 | dcowsert@missouristate.edu |
| Crabtree | Christopher | English | Bachelor of Arts | Missouri State University | 2014 | crabtree1031@live.missouristate.edu |
| Craigo | Karen | English | Master of Fine Arts | Bowling Green State University | 2000 | karencraigo@missouristate.edu |
| Crosby | Shannon | Biomedical Sciences | Master of Public Health | Missouri State University | 2007 | scrosby@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Crouch | Wedge | Communication | Juris Doctor | Univ Of Missouri-Columbia | 1987 | wedgeacrouch@missouristate.edu |
| Daehn | James | Computer Science | Master of Science | Rochester Institute of Technology | 1994 | jdaehn@missouristate.edu |
| Dalbom | Clinton | Agriculture | Master of Science | Missouri State University | 2016 | dalbom60@live.missouristate.edu |
| Dalton | Rebecca | Psychology | Master of Science | Missouri State University | 2015 | dalton211@missouristate.edu |
| D'Angelo | Sandra | Psychology | Doctor of Philosophy | University Of Kentucky | 1990 | sandradangelo@missouristate.edu |
| Datema | Virginia | Counseling Leadership & Special Ed | Master of Science | Missouri State University | 2011 | vdatema@missouristate.edu |
| Davis-Sneed | Dollie | Childhood Ed & Family Studies | Master of Science | Missouri State University | 2010 | dollie133@missouristate.edu |
| DeBiaso | Peppino | Defense And Strategic Studies | Doctor of Philosophy | Univ Of Southern California | 1987 | pdebiaso@missouristate.edu |
| Deering | Thomas | Reading Foundations & Technology | Doctor of Philosophy | University of Missouri | 1985 | tdeering@missouristate.edu |
| Derrick | Laura | Technology & Construction Mgmt | Bachelor of Architecture | Kansas State University | 1986 | ljderrick@missouristate.edu |
| Dibble | Laurel | Media, Journalism & Film | Master of Fine Arts | Univ Of Southern California | 2003 | ldibble@missouristate.edu |
| Dixon | Stephanie | Missouri State Outreach | Master of Science | Missouri State University | 2010 | stephaniedixon@missouristate.edu |
| Dixon | Stephanie | Psychology | Master of Science | Missouri State University | 2010 | stephaniedixon@missouristate.edu |
| Dobson | Lemont | History | Doctor of Philosophy | University of York | 2008 | lemontdobson@missouristate.edu |
| Dorman | Chelsea | Reading Foundations & Technology | Master of Science in Educ | Missouri State University | 2014 | chelsea031@missouristate.edu |
| Duprey | Laura | Art & Design | Master of Arts | Virginia Commonwealth Universi | 2004 | lauraduprey@missouristate.edu |
| Eady | Jerry | School Of Nursing | Master of Science in Nursing | Univ Of Texas At Arlington | 1994 | jbeady@missouristate.edu |
| Easley | Zachary | Mathematics | Master of Science | Missouri State University | 2016 | zacharyeasley@missouristate.edu |
| Edington | Leann | Childhood Ed & Family Studies | Specialist in Education | Missouri State University | 1994 | ledington@missouristate.edu |
| Elliott | Travis | Agriculture | Juris Doctor | Univ Of Missouri-Columbia | 2007 | telliott@missouristate.edu |
| Elliott | W | Agriculture | Doctor of Philosophy | Univ Of Missouri-Columbia | 1972 | ansonelliott@missouristate.edu |
| Elliston | Hiromi | Foreign Language Institute | Associate of Arts | Onomichi Junior College | 1987 | hiromielliston@missouristate.edu |
| Embree | David | Religious Studies | Master of Arts | Missouri State University | 1994 | dembree@missouristate.edu |
| Fiset | Elizabeth | English | Master of Arts | Missouri State University | 2017 | alphonse149@live.missouristate.edu |
| Fleetwood | Gabriel | Music | Master of Music | Missouri State University | 2016 | gabrielfleetwood@missouristate.edu |
| Fogle | Elizabeth | Sociology & Anthropology | Master of Arts | University of Arkansas | 2014 | fogle022@missouristate.edu |
| Ford | Heather | Social Work | Master of Social Work | Missouri State University | 2009 | heatherford@missouristate.edu |
| Ford | Tiffany | Management & Information Technology | Doctor of Philosophy | Lindenwood University | 2015 | tiffanyford@missouristate.edu |
| Foster | Jeffrey | Psychology | Doctor of Philosophy | Univ Of Missouri-St Louis | 2004 | jfoster@missouristate.edu |
| Fox | Doretta | Communication | Master of Science in Educ | Missouri State University | 1997 | dorettafox@missouristate.edu |
| Frauenhoffer | Megan | Art & Design | Master of Fine Arts | Minneapolis College Of Art & D | 2010 | mfrauenhoffer@missouristate.edu |
| Frietze | Joseph | Psychology | Master of Science | Missouri State University | 1998 | jdfrietze@missouristate.edu |
| Fugitt | John | Religious Studies | Master of Arts | Midwest Baptist Theolog Semin | 1990 | jfugitt@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Fulks | Genevieve | Music | Master of Music | University of Tennessee | 2013 | genevievefulks@missouristate.edu |
| Funk | Scott | Management & Information Technology | Master of Business Admin | Hood College | 1992 | scottfunk@missouristate.edu |
| Gardner | Kenneth | English | Master of Arts | Missouri State University | 2013 | gardner55@live.missouristate.edu |
| Gentile | Federica Wanda | Foreign Language Institute | Master of Arts | Univ Of Cincinnati | 2007 | fgentile@missouristate.edu |
| Gentile | Federica Wanda | Gender Studies | Master of Arts | Univ Of Cincinnati | 2007 | fgentile@missouristate.edu |
| Glasemeyer | Carl | Art & Design | Bachelor of Fine Arts | Missouri State University | 2011 | carlglasemeyer@missouristate.edu |
| Goodale | Deborah | Finance & General Business | Master of Business Admin | Missouri State University | 1989 | deborahgoodale@missouristate.edu |
| Goodale | Deborah | Marketing | Master of Business Admin | Missouri State University | 1989 | deborahgoodale@missouristate.edu |
| Goodman | Yelena | Foreign Language Institute | Master of Science in Educ | Kurgan State University | 1980 | yelenagoodman@missouristate.edu |
| Goos | Ashley | Theatre & Dance | Master of Fine Arts | Florida State University | 2015 | ashleygoos@missouristate.edu |
| Gray | Bradley | Management & Information Technology | Master of Business Admin | Missouri State University | 2001 | bradleygray@missouristate.edu |
| Greenwood | Molly | Communication | Doctor of Philosophy | University of Missouri | 2017 | mollygreenwood@missouristate.edu |
| Grega | William | Music | Master of Music | Southeast Missouri State Unive | 1996 | williamgrega@missouristate.edu |
| Grisham | Craig | Agriculture | Other Masters Degree | Univ Of Missouri-Columbia | 1999 | craiggrisham@missouristate.edu |
| Groves | Gregory | Finance & General Business | Juris Doctor | Univ Of Missouri-Columbia | 1988 | ggroves@missouristate.edu |
| Groves | Jeffrey | Graduate College | Juris Doctor | Univ Of Missouri-Columbia | 1991 | jeffreygroves@missouristate.edu |
| Grzybowski | Kevin | English | Master of Arts | Missouri State University | 2017 | grzybowski321@live.missouristate.edu |
| Hains | Kathleen | Theatre & Dance | Master of Fine Arts | Univ Of Iowa | 2015 | hains200@live.missouristate.edu |
| Happel | Rachel | Psychology | Master of Science | Missouri State University | 2006 | rachelhappel@missouristate.edu |
| Harrison | Glenda | Missouri State Outreach | Master of Education | Lincoln University-MO | 1996 | gmharrison@missouristate.edu |
| Harrison | Glenda | Sociology & Anthropology | Master of Education | Lincoln University-MO | 1996 | gmharrison@missouristate.edu |
| Haverly | Grant | Communication | Master of Arts | Missouri State University | 2016 | granthaverly@missouristate.edu |
| Hawkins | Luciane | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 2017 | lphawkins@missouristate.edu |
| Hawkins | Viktoriya | Merchandising And Fashion Design | Master of Science | State Univ of Dsgn & Tech | 2000 | viktoriyahawkins@missouristate.edu |
| Haynes | Heather | History | Master of Arts | Southeast Missouri State Unive | 2005 | heathermhaynes@missouristate.edu |
| Heilman | Jon | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 1974 | jheilman@missouristate.edu |
| Hetzler | Brandon | Sports Medicine & Athletic Training | Master of Science | Oklahoma State University | 2002 | bhetzler@missouristate.edu |
| Hieber | Daniel | Philosophy | Master of Arts | Univ Of Kansas | 2003 | danielhieber@missouristate.edu |
| Hilton | Sharon | Merchandising And Fashion Design | Master of Science | Kansas State University | 2013 | sharonhuckaby@missouristate.edu |
| Hisle | Melissa | English | Doctor of Philosophy | East Carolina University | 2012 | mhisle@missouristate.edu |
| Hisle | Melissa | Missouri State Outreach | Doctor of Philosophy | East Carolina University | 2002 | mhisle@missouristate.edu |
| Hittenberger-Ortiz | Rhonda | Childhood Ed & Family Studies | Master of Science | Evangel University | 2011 | rhittenbergerortiz@missouristate.edu |

# Missouri State University
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| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Hogan | Joy | Kinesiology | Bachelor of Science | Missouri State University | 1982 | joyhogan@missouristate.edu |
| Holcomb | Kazumi | Foreign Language Institute | Master of Arts | Missouri State University | 2007 | kazumiholcomb@missouristate.edu |
| Hoovens | James | Management & Information Technology | Master of Business Admin | Missouri State University | 2013 | jhoovens@missouristate.edu |
| Hoovens | James | Marketing | Master of Business Admin | Missouri State University | 2013 | jhoovens@missouristate.edu |
| Hoover | Christy | Counseling Leadership & Special Ed | Master of Science | Missouri State University | 2013 | hoover77@missouristate.edu |
| Hopper-Owrey | Candice | Psychology | Doctor of Psychology | Forest Institute Of Prof Pscy | 2009 | candicehopper@missouristate.edu |
| Hosmer | Thomas | Geography Geology & Planning | Master of Arts | Missouri State University | 1986 | hosmer@missouristate.edu |
| Howard | Amber | Reading Foundations & Technology | Master of Science in Educ | Missouri State University | 2014 | amberhoward@missouristate.edu |
| Howell | Meghan | Sports Medicine & Athletic Training | Master of Science | Oklahoma State University | 2008 | mreilly@missouristate.edu |
| Hudson | Erin | Sociology & Anthropology | Doctor of Philosophy | University of New Mexico | 2017 | ehudson@missouristate.edu |
| Huffman | Steven | Management & Information Technology | Master of Business Admin | Drury University | 2014 | huffman831@missouristate.edu |
| Hunt | Dana | School Of Nursing | Doctorate of Nursing Practice | Case Western Reserve Univ. | 2014 | dhunt@missouristate.edu |
| Hykes | Elizabeth | Social Work | Master of Social Work | Washington University In St Lo | 1983 | ehykes@missouristate.edu |
| Ibbetson | Sara | Psychology | Master of Science | Pittsburg State University | 2005 | sibbetson@missouristate.edu |
| Inman | Kristopher | Communication | Master of Arts | Missouri State University | 2012 | kristopherinman@missouristate.edu |
| Jackson | Wendy | Social Work | Master of Social Work | Missouri State University | 2001 | wjackson@missouristate.edu |
| Jamieson | Rachel | Theatre & Dance | Master of Arts | New York University | 2009 | rjamieson@missouristate.edu |
| Jaross | Nicholas | Computer Science | Bachelor of Science | Missouri State University | 2009 | nicholas767@missouristate.edu |
| Jester | Jennifer | Music | Doctor of Musical Arts | University Of California-Los A | 2008 | jester111@missouristate.edu |
| Jo | Yoojin | Foreign Language Institute | Master of Arts | Missouri State University | 2006 | yoojinjo@missouristate.edu |
| Johnson | Julie | Modern & Classical Languages | Doctor of Philosophy | Ohio State University,The | 1982 | juliejohnson@missouristate.edu |
| Johnson | Laura | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 2010 | laurajohnson@missouristate.edu |
| Johnson | Stephen | Counseling Leadership & Special Ed | Master of Science | Missouri State University | 1976 | sajohnson@missouristate.edu |
| Johnston | Glenda | Reading Foundations & Technology | Master of Science | Drury University | 2013 | gjohnston@missouristate.edu |
| Johnston | Kristina | Psychology | Master of Science | Missouri State University | 2012 | kristina123@missouristate.edu |
| Jones | Dalton | Communication Sciences & Disorders | Doctor of Audiology | Missouri State University | 2017 | daltonjones@live.missouristate.edu |
| Jones | Melissa | Communication Sciences & Disorders | Master of Science | Missouri State University | 2011 | melissa2005@missouristate.edu |
| Jordan | Billy | Communication | Bach of Science in Education | Missouri State University | 1977 | billjordan@missouristate.edu |
| Jordan | Jessica | History | Master of Science | Drury University | 1977 | jessicajordan@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Kalman | Katherina | Foreign Language Institute | Bachelor of Business Admin | George Washington University,T | 1986 | kkalman@missouristate.edu |
| Karr | Jeffrey | Modern & Classical Languages | Master of Appld Second Lang | Missouri State University | 2016 | jeffreykarr@missouristate.edu |
| Kartchner | Kerry | Defense And Strategic Studies | Doctor of Philosophy | Univ Of Southern California | 1987 | kmkartchner@missouristate.edu |
| Kastner | Elliott | Missouri State Outreach | Master of Fine Arts | Oklahoma State University | 2015 | elliott131@live.missouristate.edu |
| Keller | Ted | Geography Geology & Planning | Bachelor of Science | Northern Illinois University | 1984 | tedkeller@missouristate.edu |
| Kelley | Theodore | Modern & Classical Languages | | | | theodore123@live.missouristate.edu |
| Kelts | Maureen | Missouri State Outreach | Master of Arts in Educ. | Baker University | 2008 | maureen1208@missouristate.edu |
| Kennell | Everett | Media, Journalism & Film | Master of Arts | Missouri State University | 1976 | ekennell@missouristate.edu |
| Kent | Jennifer | Social Work | Master of Social Work | Missouri State University | 2005 | jkent@missouristate.edu |
| Keohane | Edward | Sociology & Anthropology | Master of Science | Missouri State University | 2014 | keohane82@live.missouristate.edu |
| Khojasteh | Morgan | Communication | Master of Arts | Drury University | 2011 | mkhojasteh@missouristate.edu |
| Kimura | Clyde | Kinesiology | Bachelor of Arts | Southern Baptist Theolgcl Sem | 1967 | ckimura@missouristate.edu |
| Kincaid | Jennifer | Psychology | Master of Science | Missouri State University | 2012 | jenniferkincaid@missouristate.edu |
| King | Lori | Childhood Ed & Family Studies | Master of Science | Southwest Baptist University | 2000 | loriking@missouristate.edu |
| King | Lori | Mathematics | Master of Science | Southwest Baptist University | 2000 | loriking@missouristate.edu |
| Kitchin | Jonathan | English | Master of Arts | Missouri State University | 2003 | jonathankitchin@missouristate.edu |
| Knight | Jack | Philosophy | Doctor of Philosophy | University Of Miami | 1975 | jackknight@missouristate.edu |
| Krakow | Jeffrey | English | Master of Arts | Missouri State University | 2004 | jkrakow@missouristate.edu |
| Krumme | Gregg | Biomedical Sciences | Master of Science | Missouri State University | 2001 | greggkrumme@missouristate.edu |
| Kyle | Michael | Criminology | Master of Science | Missouri State University | 2013 | michaelkyle@missouristate.edu |
| Lakin | Brenda | Counseling Leadership & Special Ed | Doctorate in Education | Lindenwood University | 2009 | brendalakin@missouristate.edu |
| Lale | Daniel | English | Master of Arts | Missouri State University | 2017 | dane822@live.missouristate.edu |
| Land | Andrea | Art & Design | Master of Fine Arts | San Francisco Art Institute | 2008 | andrealand@missouristate.edu |
| Langston | Lisa | Social Work | Master of Social Work | Virginia Commonwealth Universi | 1986 | lisalangston@missouristate.edu |
| Lansdown | Lynn | History | Master of Arts | Missouri State University | 2005 | lmlansdown@missouristate.edu |
| Leggitt | Stephen | Media, Journalism & Film | Master of Fine Arts | American Film Institute | 2009 | stephenleggitt@missouristate.edu |
| Leibert | Don | Center For Business Excellence | Doctor of Philosophy | Medical Univ Of South Carolina | 2007 | mleibert@missouristate.edu |
| Lineberry | Susan | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 1998 | selineberry@missouristate.edu |
| Lineberry | Susan | Reading Foundations & Technology | Master of Science in Educ | Missouri State University | 1998 | selineberry@missouristate.edu |
| Lippelman | Vanessa | Psychology | Master of Science | Missouri State University | 2015 | jones1290@missouristate.edu |
| Liston | Jennie | Defense And Strategic Studies | Bachelor of Arts | Hiram College | 1962 | jsliston@missouristate.edu |
| Liu | Fan | Foreign Language Institute | Master of Business Admin | Missouri State University | 2012 | fanliu@missouristate.edu |
| Livingston | Brian | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 2000 | livingston715@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Lofaro | Brandi | Communication Sciences & Disorders | Master of Science | Missouri State University | 1997 | brandilofaro@missouristate.edu |
| Loffler | Robert | Music | Master of Arts | Truman State University | 1983 | robertloffler@missouristate.edu |
| Long | Jessica | Management & Information Technology | Master of Business Admin | Missouri State University | 2010 | jessicallong@missouristate.edu |
| Lord | Patrick | Psychology | Doctor of Psychology | Forest Institute Of Prof Pscy | 1995 | patricklord@missouristate.edu |
| Loughary | Jeffrey | Modern & Classical Languages | Master of Arts in Teaching | Univ Of Utah | 2006 | jloughary@missouristate.edu |
| Lowenthal-Hershey | Jennifer | Management & Information Technology | Master of Business Admin | Drury University | 2006 | jhershey@missouristate.edu |
| Lukas | Daniel | First Year Programs | Master of Arts | Missouri State University | 2008 | daniellukas@missouristate.edu |
| Lukavich | Andrew | Management & Information Technology | Master of Science | Missouri State University | 2010 | alukavich@missouristate.edu |
| Maas | Richard | Physical Therapy | Doctor of Physical Therapy | Creighton University | 2008 | rmaas@missouristate.edu |
| Maddox | Jane | English | Master of Arts | Missouri State University | 2017 | janie125@live.missouristate.edu |
| Maloney | John | Psychology | Doctor of Philosophy | Univ Of Mississippi | 1977 | jjeffmaloney@missouristate.edu |
| Manley | Heather | Missouri State Outreach | Master of Science | Missouri State University | 2009 | manley624@missouristate.edu |
| Mann | Natalya | Foreign Language Institute | Doctor of Philosophy | Volvovrad Pedagogical State | 1996 | natalyamann@missouristate.edu |
| Martin | Erin | Psychology | Doctor of Philosophy | Walden University | 2013 | erinmartin@missouristate.edu |
| Martin | Richard | Computer Science | Master of Science | Kansas State University | 1973 | richardmartin@missouristate.edu |
| Maslak | Mary | Media, Journalism & Film | Master of Arts | Missouri State University | 2010 | mmaslak@missouristate.edu |
| Massey | Dallas | Biomedical Sciences | Master of Science | Missouri State University | 2014 | dallas615@live.missouristate.edu |
| Maxfield | Michael | Media, Journalism & Film | Master of Arts | Missouri State University | 2004 | shawnmaxfield@missouristate.edu |
| McClease | Cheryl | Geography Geology & Planning | Master of Science | Missouri State University | 1991 | cmcclease@missouristate.edu |
| McClure | Scott | Management & Information Technology | Doctor of Philosophy | Univ Of Missouri-St Louis | 2011 | scottmcclure@missouristate.edu |
| McCracken | Ramey | English | Juris Doctor | University of Arkansas | 2005 | ramey1@live.missouristate.edu |
| McDonald | Scott | Finance & General Business | Master of Business Admin | Webster University | 2010 | smcdonald@missouristate.edu |
| McDowell | Debra | Merchandising And Fashion Design | Doctorate in Education | Nova Southeastern University | 1997 | debramcdowell@missouristate.edu |
| McElmurry | Robert | English | Master of Arts | Missouri State University | 2013 | mcelmurry373@missouristate.edu |
| McMullin | Mary | Childhood Ed & Family Studies | Master of Science in Educ | Drury University | 1999 | mkmcmullin@missouristate.edu |
| McNew | Sarah | Psychology | Doctor of Psychology | Forest Institute Of Prof Pscy | 1999 | sarahamcnew@missouristate.edu |
| McRae | Jennifer | Sports Medicine & Athletic Training | Master of Science | Oklahoma State University | 2006 | jennifermcrae@missouristate.edu |
| Mehrhoff | Farida | Biomedical Sciences | Honorary Doctorate | Kazan State Univ of Medicine | 1986 | farida121@missouristate.edu |
| Melley | Brendan | Defense And Strategic Studies | Master of Science | Missouri State University | 2014 | melley103@missouristate.edu |
| Meyers | Sandra | Finance & General Business | Master of Business Admin | Drury University | 1997 | smeyers@missouristate.edu |
| Michalka | Karen | Sociology & Anthropology | Doctor of Philosophy | University Of Notre Dame | 2017 | karenmichalka@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Michelfelder | Breanna | Geography Geology & Planning | Master of Science | Univ Of Northern Iowa | 2009 | breannamichelfelder@missouristate.edu |
| Miller | Arden | Psychology | Doctor of Philosophy | Purdue University | 1982 | ardenmiller@missouristate.edu |
| Miller | Blake | Communication | Master of Arts | Missouri State University | 2017 | blakemiller@missouristate.edu |
| Miller | Katherine | Psychology | Master of Science | Missouri State University | 2017 | katherine27@live.missouristate.edu |
| Miller | Myra | Missouri State Outreach | Doctor of Philosophy | Saint Louis University | 2013 | myramiller@missouristate.edu |
| Miller | Worth | History | Doctor of Philosophy | Univ Of Oklahoma | 1984 | bobmiller@missouristate.edu |
| Mitchell | Jeffrey | Counseling Leadership & Special Ed | Juris Doctor | Univ Of Missouri-Kansas City | 2008 | jmitchell@missouristate.edu |
| Mitchell | Jennifer | History | Master of Arts | Missouri State University | 2012 | jennifermitchell@missouristate.edu |
| Mitchell | Molinda | Missouri State Outreach | Specialist in Education | William Woods University | 2011 | molindamitchell@missouristate.edu |
| Mitchell | Shauna | Criminology | Master of Science | Missouri State University | 2013 | shaunamitchell@missouristate.edu |
| Montgomery | Hilary | English | Master of Arts | Missouri State University | 2012 | hmontgomery@missouristate.edu |
| Moore | Cynthia | Art & Design | Master of Fine Arts | Univ Of Iowa | 1985 | cynthiagmoore@missouristate.edu |
| Moyer | James | First Year Programs | Doctor of Philosophy | Brandeis University | 1969 | jimmoyer@missouristate.edu |
| Mundt | Nicholas | Chemistry | Bachelor of Science | Missouri State University | 2014 | mundt711@live.missouristate.edu |
| Murphy | Lindsey | Childhood Ed & Family Studies | Master of Science in Educ | Univ Of Missouri-Columbia | 2012 | lindseymurphy@missouristate.edu |
| Murray | Kathleen | Music | Master of Music | Univ Of Cincinnati | 1989 | kathymurray@missouristate.edu |
| Myers | Wendy | Social Work | Master of Social Work | Missouri State University | 2009 | wendy454@missouristate.edu |
| Nelsen | Janice | Kinesiology | Doctorate in Education | Univ Of Arkansas | 1992 | janicenelsen@missouristate.edu |
| Nelson | Kerry | Criminology | Master of Science | Missouri State University | 2009 | knelson@missouristate.edu |
| Nelson | Oana | Mathematics | Master of Science | Missouri State University | 2016 | onelson@missouristate.edu |
| Newman | Kenneth | Management & Information Technology | Master of Science | Hawaii Pacific University | 2007 | knewman@missouristate.edu |
| Niekamp | Melissa | School Of Nursing | Master of Health Admin | Missouri State University | 2004 | melissaniekamp@missouristate.edu |
| Nivens | Jesse | Art & Design | Bachelor of Fine Arts | Missouri State University | 2004 | jessenivens@missouristate.edu |
| Norman | Cherie | Psychology | Master of Science in Educ | Missouri State University | 2008 | cherienorman@missouristate.edu |
| Norris | Brian | Art & Design | Bachelor of Fine Arts | Missouri State University | 2002 | briannorris@missouristate.edu |
| Nye | Kimberly | Counseling Leadership & Special Ed | Master of Science | Missouri State University | 1983 | kimberlynye@missouristate.edu |
| Oberdiear | Louis | Psychology | Master of Science | Missouri State University | 2015 | louisoberdiear@missouristate.edu |
| O'Neal | Stephanie | History | Master of Arts | Missouri State University | 1970 | stephanieoneal@missouristate.edu |
| Osredker | Michael | Finance & General Business | Master of Business Admin | Rockhurst University | 1998 | michaelosredker@missouristate.edu |
| Osredker | Michael | Management & Information Technology | Master of Business Admin | Rockhurst University | 1998 | michaelosredker@missouristate.edu |
| Owen | Carla | Childhood Ed & Family Studies | Master of Arts | Southeast Missouri State Unive | 2010 | cmowen@missouristate.edu |
| Padgett | Lori | Agriculture | Master of Science | Pittsburg State University | 1999 | loripadgett@missouristate.edu |
| Padgett | Lori | First Year Programs | Master of Science | Pittsburg State University | 1999 | loripadgett@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Parisi | Sandra | Counseling Leadership & Special Ed | Master of Science | Missouri State University | 2014 | parisi4@live.missouristate.edu |
| Parker | Lane | Technology & Construction Mgmt | Doctor of Philosophy | Capella University | 2015 | lparker@missouristate.edu |
| Parrish | Matthew | Media, Journalism & Film | Master of Arts in Teaching | Missouri State University | 2014 | parrish999@missouristate.edu |
| Patterson | Jane | Finance & General Business | Juris Doctor | Southern Methodist University | 1991 | jpatterson@missouristate.edu |
| Pennington | David | Communication | Master of Science | Missouri State University | 2004 | dpennington@missouristate.edu |
| Peterson | Don | Kinesiology | Bachelor of Arts | Drury University | 1969 | donpeterson@missouristate.edu |
| Pettijohn | James | Finance & General Business | Doctor of Philosophy | Univ Of Nebraska Lincoln | 1980 | jamespettijohn@missouristate.edu |
| Phillips | Melanie | Communication | Master of Arts | Missouri State University | 2016 | melaniephillips@missouristate.edu |
| Piland | Sherry | Art & Design | Doctor of Philosophy | Florida State University | 1997 | sherrypiland@missouristate.edu |
| Pilkenton | Andrew | Art & Design | Master of Arts | Univ Of Kansas | 2016 | andrew314@missouristate.edu |
| Piston | Nancy | History | Master of Arts | Univ Of South Carolina-Columbi | 1982 | npiston@missouristate.edu |
| Pitt | Lisa | Childhood Ed & Family Studies | Specialist in Education | Missouri State University | 2001 | lisapitt@missouristate.edu |
| Pleshka | Anton | Art & Design | Bachelor of Fine Arts | Missouri State University | 2014 | antonpleshka@missouristate.edu |
| Pratt | Francine | African American Studies | Bachelor of Science | Univ Of Phoenix | 2002 | fpratt@missouristate.edu |
| Preston | James | Hospitality Leadership | Juris Doctor | Univ Of Missouri-Kansas City | 2005 | jamescpreston@missouristate.edu |
| Pritchard | Traci | Music | Master of Music | Missouri State University | 2013 | tracipritchard@missouristate.edu |
| Prosono | Marvin | Sociology & Anthropology | Doctor of Philosophy | Univ of Calif-San Francisco | 1990 | mprosono@missouristate.edu |
| Qualls | Lisa | Music | Master of Music | Pittsburg State University | 1984 | lqualls@missouristate.edu |
| Quigley | Roger | Mathematics | Master of Science | Missouri State University | 1974 | rogerquigley@missouristate.edu |
| Quirk | Brady | Counseling Leadership & Special Ed | Doctorate in Education | Lindenwood University | 2012 | quirk777@missouristate.edu |
| Rakowski | Karen | Sports Medicine & Athletic Training | Bach of Science in Education | Missouri State University | 2008 | karenrakowski@missouristate.edu |
| Ramirez | Jorge | Modern & Classical Languages | Master of Science | Azusa Pacific University | | jorgeramirez@missouristate.edu |
| Range | Bret | Counseling Leadership & Special Ed | Doctorate in Education | Univ Of Arkansas | 2009 | range616@missouristate.edu |
| Rathbun | Susa | Childhood Ed & Family Studies | Master of Science in Educ | Univ Of Central Missouri | 1990 | susarathbun@missouristate.edu |
| Raynor | James | Sports Medicine & Athletic Training | Master of Science | Univ Of Oklahoma | 1994 | jamesaraynor@missouristate.edu |
| Reynolds | Todd | Art & Design | Master of Fine Arts | Missouri State University | 2017 | reynolds446@live.missouristate.edu |
| Rice | Judith | History | Doctor of Philosophy | University Of Illinois-Urbana | 1993 | jrice@missouristate.edu |
| Rice | Phillip | History | Juris Doctor | Univ Of Missouri-Columbia | 2007 | jasonrice@missouristate.edu |
| Rideout | Jennifer | Sociology & Anthropology | Master of Science | Missouri State University | 2015 | jarideout@missouristate.edu |
| Ridinger | Rhonda | Kinesiology | Doctor of Philosophy | Ohio State University,The | 1975 | rhondaridinger@missouristate.edu |
| Riggs | Stefanie | Childhood Ed & Family Studies | Master of Science | Southwest Baptist University | 2005 | stefanieriggs@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Robbins | Linda | Counseling Leadership & Special Ed | Specialist in Education | Missouri State University | 1990 | lindarobbins@missouristate.edu |
| Roberts | Minnie | Psychology | Master of Science | Missouri State University | 2017 | minnie422@live.missouristate.edu |
| Rogers | Valorie | Management & Information Technology | Master of Arts | Missouri State University | 2015 | valorie500@live.missouristate.edu |
| Rose | Aimee | Merchandising And Fashion Design | Master of Fine Arts | Academy of Art University | 2010 | aimeerose@missouristate.edu |
| Rowe | Nancy | Communication | Master of Science in Educ | Missouri State University | 1999 | nancywedgeworth@missouristate.edu |
| Ruggiero | Giulianella | Foreign Language Institute | Doctor of Philosophy | American University of Rome | 1974 | gruggiero@missouristate.edu |
| Rushefsky | Mark | Political Science | Doctor of Philosophy | Binghamton University/Suny | 1977 | markrushefsky@missouristate.edu |
| Russell | Maida | Mathematics | Master of Science in Educ | Missouri State University | 2015 | maidarussell@missouristate.edu |
| Russell | Timothy | Agriculture | Bachelor of Science | Missouri State University | 1983 | timrussell@missouristate.edu |
| Rutherford | James | Art & Design | Bachelor of Fine Arts | Missouri State University | 2008 | jrutherford@missouristate.edu |
| Ryder | Christina | Sociology & Anthropology | Master of Science | University Of California-Irvin | 2005 | cryder@missouristate.edu |
| Salchow | Jason | Agriculture | Doctor of Veterinary Medicine | Univ Of Missouri-Columbia | 2001 | jwsalchow@missouristate.edu |
| Salloum | Georget | Foreign Language Institute | Doctor of Medicine | Damascus University | 1987 | gsalloum@missouristate.edu |
| Savage | Jennifer | Communication Sciences & Disorders | Master of Arts | Evangel University | 2011 | jsavage@missouristate.edu |
| Sawyer | Emmett | Reading Foundations & Technology | Doctorate in Education | Univ Of Missouri-Columbia | 1997 | emmettsawyer@missouristate.edu |
| Sawyer | Rebecca | Reading Foundations & Technology | Specialist in Education | Missouri State University | 1996 | rlsawyer@missouristate.edu |
| Scales | Megan | Sociology & Anthropology | Master of Science | Missouri State University | 2010 | meganscales@missouristate.edu |
| Scarborough | James | Management & Information Technology | Master of Science | Missouri State University | 2013 | scarborough117@live.missouristate.edu |
| Schaefer | Jason | English | Master of Fine Arts | Vermont College of Union Inst | 2017 | jasonschaefer@missouristate.edu |
| Scheele | Robert | Management & Information Technology | Master of Science | Missouri State University | 2003 | mscheele@missouristate.edu |
| Schmidt | Allison | Psychology | Master of Science | Missouri State University | 2016 | allison2007@live.missouristate.edu |
| Schmitt | Vicki | Reading Foundations & Technology | Doctor of Philosophy | Univ Of Kansas | 2007 | vickischmitt@missouristate.edu |
| Schwendinger | Kate | Social Work | Master of Social Work | Missouri State University | 2009 | kate1974@missouristate.edu |
| Seal | Stephen | Reading Foundations & Technology | Master of Science | Missouri State University | 1977 | sseal@missouristate.edu |
| Segovia Liga | Argelia | History | Doctor of Philosophy | Leiden University | 2017 | segovia97226@missouristate.edu |
| Senter | Pamela | Art & Design | Master of Fine Arts | Univ Of Missouri-Columbia | 1994 | psenter@missouristate.edu |
| Sheets-McKeag | Sarah | Art & Design | Master of Fine Arts | Univ Of Iowa | 1989 | ssheetsmckeag@missouristate.edu |
| Sherman | Dana | Chhs-Master Of Public Health | Master of Public Health | Missouri State University | 2004 | danasherman@missouristate.edu |
| Shriver | Jayson | Agriculture | Master of Science | Missouri State University | 2017 | jshriver@missouristate.edu |
| Sims-Giddens | Susan | School Of Nursing | Doctorate in Education | Northern Arizona University | 2000 | susansims-giddens@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Skibiski | Kevin | Physics Astronomy & Materials Sci | Master of Science | Missouri Univ of Sci & Tech | 1976 | kevinskibiski@missouristate.edu |
| Slone | Allison | Communication Sciences & Disorders | Master of Science | Missouri State University | 2010 | allison243@missouristate.edu |
| Sly | James | Psychology | Master of Science | Missouri State University | 2014 | jimsly@missouristate.edu |
| Smillie | Donald | Graduate College | Master of Science | Missouri State University | 2001 | smillie848@missouristate.edu |
| Smith | Sean | Technology & Construction Mgmt | Master of Science | Missouri State University | 2012 | seanmsmith@missouristate.edu |
| Smith | Susan | Political Science | Master of Public Admin | Missouri State University | 2002 | susanasmith@missouristate.edu |
| Snider | Philip | Religious Studies | Doctor of Divinity | University Of Chicago | 2009 | philsnyder@missouristate.edu |
| Squires | Susan | Counseling Leadership & Special Ed | Master of Education | Drury University | 1982 | ssquires@missouristate.edu |
| St Pierre | Laurine | Music | Doctor of Musical Arts | Univ Of Missouri-Columbia | 1999 | gracestpierre@missouristate.edu |
| Staats | Nicholas | Technology & Construction Mgmt | Bachelor of Science | Missouri State University | 2008 | nstaats@missouristate.edu |
| Stacy | William | Music | Doctor of Musical Arts | Univ Of Colorado-Boulder | 1972 | wstacy@missouristate.edu |
| Starnes | David | Theatre & Dance | Master of Arts | Missouri State University | 2011 | loganstarnes@missouristate.edu |
| Starnes | Kara | Communication | Master of Arts | Missouri State University | 2017 | kstarnes@missouristate.edu |
| Stein | James | Biomedical Sciences | Doctor of Medicine | Saint Louis University | 1994 | cstein@missouristate.edu |
| Stockburger | David | Psychology | Doctor of Philosophy | Ohio State University,The | 1975 | dstockburger@missouristate.edu |
| Stotsbery | Lawrence | Music | Master of Music | Converse College | 1996 | lstotsbery@missouristate.edu |
| Stout | Kristen | Communication | Master of Arts | Missouri State University | 2012 | kristenstout@missouristate.edu |
| Strickler | John | Music | Master of Music | Univ Of North Texas | 1998 | johnastrickler@missouristate.edu |
| Stubbs | Sue | Music | Master of Music | Univ Of Missouri-Columbia | 1984 | suestubbs@missouristate.edu |
| Stulce | Brad | Kinesiology | Bachelor of Science | Missouri State University | 2001 | bradstulce@missouristate.edu |
| Sutherland | Kelly | Childhood Ed & Family Studies | Doctorate in Education | Lindenwood University | 2009 | ksutherland@missouristate.edu |
| Sutliff | Jackson | English | Master of Arts | Missouri State University | 2011 | jackson37@live.missouristate.edu |
| Sutliff | Jennifer | English | Master of Arts | Missouri State University | 2015 | jennifer082@live.missouristate.edu |
| Sutliff | Kristene | English | Doctor of Philosophy | Oklahoma State University | 1985 | krissutliff@missouristate.edu |
| Sutton | Kim | Childhood Ed & Family Studies | Master of Education | William Woods University | 2005 | kimsutton@missouristate.edu |
| Sutton | Melinda | Chemistry | Bachelor of Science | Missouri State University | 2017 | sutton17@live.missouristate.edu |
| Taylor | Amanda | Music | Master of Music | Webster University | 1991 | actaylor@missouristate.edu |
| Taylor | Kerra | Art & Design | Master of Fine Arts | Southern Illinois Univ-Carbond | 2016 | kerra444@missouristate.edu |
| Temple | Renee | Kinesiology | Bachelor of Science | Missouri State University | 1988 | rtemple@missouristate.edu |
| Terry | Donna | Childhood Ed & Family Studies | Master of Science | Southwest Baptist University | 2010 | dterry@missouristate.edu |
| Thao | Kong | Media, Journalism & Film | Bachelor of Science | Missouri State University | 2016 | kong777@live.missouristate.edu |
| Thomas | Benjamin | Graduate College | Bachelor of Science | Missouri State University | 2010 | thomas231988@missouristate.edu |

# Missouri State University
## Per Course Faculty
## (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Thomas | Benjamin | Psychology | Master of Science | Missouri State University | 2015 | thomas231988@missouristate.edu |
| Thomas | Michael | Kinesiology | Master of Science | Univ Of Central Missouri | 2001 | michael526@missouristate.edu |
| Thompson | Dean | Graduate College | Master of Public Health | Missouri State University | 2001 | deanthompson@missouristate.edu |
| Tintocalis | Stacy | English | Doctor of Philosophy | Univ Of Missouri-Columbia | 2005 | stacytintocalis@missouristate.edu |
| Tombley | Kenneth | Psychology | Master of Arts | Midwest Baptist Theolog Semin | 2011 | ktombley@missouristate.edu |
| Tombley | Kenneth | Social Work | Master of Arts | Midwest Baptist Theolog Semin | 2011 | ktombley@missouristate.edu |
| Tomlinson | Lena | Counseling Leadership & Special Ed | Specialist in Education | Southwest Baptist University | 2012 | ltomlinson@missouristate.edu |
| Townsley | Megan | Missouri State Outreach | Master of Arts | Missouri State University | 2016 | eakins33@live.missouristate.edu |
| Tsahiridis | Peter | History | Master of Science | American Public University Sys | 2009 | ptsahiridis@missouristate.edu |
| Tucker | Timothy | Childhood Ed & Family Studies | Master of Science in Educ | Missouri State University | 2005 | ttucker@missouristate.edu |
| Tucker | Timothy | Reading Foundations & Technology | Master of Science in Educ | Missouri State University | 2005 | ttucker@missouristate.edu |
| Turner | Melissa | Management & Information Technology | Master of Arts | Ottawa University | 1997 | maturner@missouristate.edu |
| Tyree | Ashley | Reading Foundations & Technology | Doctorate in Education | Lindenwood University | 2015 | ashleytyree@missouristate.edu |
| VanArsdale | Ernest | Management & Information Technology | Master of Arts | Assemblies of God Seminary | 2010 | evanarsdale@missouristate.edu |
| Varava | Kira | Communication | Doctor of Philosophy | University Of Illinois-Urbana | 2011 | kvarava@missouristate.edu |
| Walker | Amy | Modern & Classical Languages | Specialist in Education | Univ Of Missouri-Columbia | 2015 | amywalker@missouristate.edu |
| Walker | Kristen | Music | Master of Music | Missouri State University | 2015 | kristenwalker@missouristate.edu |
| Wallenburg | Roger | Finance & General Business | Master of Business Admin | Missouri State University | 2003 | rogerwallenburg@missouristate.edu |
| Wan | Stephanie | Psychology | Juris Doctor | Univ Of Missouri-Columbia | 2006 | stephaniewan@missouristate.edu |
| Weaver | Marissa | Communication | Master of Science | Eastern Illinois University | 2000 | marissaweaver@missouristate.edu |
| Wegenka | Sheila | Communication | Master of Arts | Missouri State University | 2003 | swegenka@missouristate.edu |
| Weiss | Janet | Physical Therapy | Other Doctoral Degree | University Of Indianapolis | 2010 | jweiss@missouristate.edu |
| Wells | Jeffrey | Technology & Construction Mgmt | Master of Science | Kansas State University | 2005 | jwells@missouristate.edu |
| Westphal | Leonard | Communication | Master of Science | Missouri State University | 2006 | wwestphal@missouristate.edu |
| Whittaker | Lyle | Agriculture | Master of Science | Missouri State University | 2017 | lwhittaker@missouristate.edu |
| Wiles | Mike | Agriculture | Bachelor of Science | Missouri State University | 1980 | mikewiles@missouristate.edu |
| Williams | James | Music | Doctor of Musical Arts | Univ Of Missouri-Kansas City | 2014 | jkwilliams@missouristate.edu |
| Williams | Kirby | Psychology | Bachelor of Science | Missouri State University | 2015 | kirby019@live.missouristate.edu |
| Williams | Paul | Criminology | Master of Science | Northeastern State University | 1986 | paulwilliams@missouristate.edu |
| Willis | David | Psychology | Master of Science | Missouri State University | 2016 | Willis123@live.missouristate.edu |
| Wilson | Zachary | Chemistry | Master of Science | Missouri State University | 2017 | wilson333@live.missouristate.edu |
| Wolken | Jennifer | Art & Design | Bachelor of Fine Arts | Missouri State University | 2002 | jwolken@live.missouristate.edu |
| Woodhouse | Ryan | Music | Doctor of Musical Arts | Univ Of Kansas | 2012 | ryanwoodhouse@missouristate.edu |

# Missouri State University
# Per Course Faculty
# (as of September 25, 2017)

| Last | First | Department | Highest Degree | Awarding Institution | Year | Email Address |
|---|---|---|---|---|---|---|
| Young | Brett | English | Master of Arts | Missouri State University | 2010 | brett1130@missouristate.edu |
| Young | Mark | Geography Geology & Planning | Master of Science | University of Kansas | 1996 | mcyoung@missouristate.edu |
| Zhou | QiongQiong | Biomedical Sciences | Doctor of Philosophy | Univ Of Southern California | 2006 | qionggiongzhou@missouristate.edu |
| Zinselmeier | Daniel | Accounting | Master of Accountancy | Missouri State University | 2006 | dzinselmeier@missouristate.edu |

# Glossary of Terms

This reference guide is designed to assist in defining terms frequently used at Missouri State University and in the Undergraduate Catalog.

**Academic Advisor** A University employee who is committed to helping students meet their educational goals and to make informed and responsible decisions.

**Academic Year** Begins in August with the fall Intersession, continues through the spring semester, and concludes with the summer session.

**Accelerated graduate program** option that allows eligible juniors and seniors to take a limited number of graduate-level courses that count towards both their undergraduate and graduate degree thereby reducing the time it takes to complete a graduate degree.

**Alumni** Individuals who have attended or graduated from a particular college or university.

**Admission to Degree Program** A process required of students who have a major with specific admission requirements.

**Auditing a Class** A grading option that allows completion of a course without receiving credit or a traditional grade. An audited course cannot be used to fulfill a degree requirement.

**BearPass Card** Student's official University identification card.

**Block Classes** meets for only the first or second half of the term (semester).

**Board of Governors** Governing body for Missouri State University appointed by the Governor of Missouri.

**Boomer** University mascot

**Catalog** University's official publication of academic policies and procedures, programs of study, and course offerings for a particular academic year.

**Certificate** Document representing that the student has completed a University Certificate.

**Change of Schedule Period** First five days of the fall and spring semester and first two days of summer session in which students can add and drop classes.

**Class Schedule** An online listing of courses offered for a specific term.

**College** Group of academic departments and/or programs administered by a college dean.

**College Level Examinations Program (CLEP)** Program that allows students to receive credit by examination instead of completing a course.

**Commencement** Ceremony held at the end of the fall and spring semesters to recognize candidates for graduation.

**Comprehensive Major** A BA or BS major that includes both a primary and secondary area of study and, therefore, does not require completion of a minor.

**Core Courses** Group of foundation courses required by a college, department, or specific major.

**Corequisite** Two or more courses that must be taken during the same semester.

**Credit by Examination** Method of earning academic credit outside of traditional course offerings.

**Credit Hour** Standard unit of measuring coursework. The unit of credit used at Missouri State is the semester hour.

**Cross-Listed Courses** Two or more different courses taught in the same room, at the same time, with the same instructor. Students may receive credit toward graduation for only one.

**Dean (academic)** Highest administrative officer of a college.

**Dean's List** Published list of students who have achieved a specific level of achievement established by the University. The list is published at the conclusion of each semester and Summer Session.

**Declaring a Major/Minor** indicates that student wishes to pursue a particular major and/or minor. Many majors have specific admission requirements.

**Degree Audit** Advising tool designed to assist in tracking a student's progress towards graduation.

**Department Head** Administrative officer holding faculty rank; responsible for a primary unit within

an academic organization.

**Diploma** Document provided by the University certifying that the student has earned a degree.

**Dual Enrollment** Typically refers to high school students who are receiving high school credit while also being enrolled in college-level credit. This term can also refer to students who are concurrently enrolled in two or more higher education institutions.

**Enrollment Status** Terms used for reporting a student's academic load to external agencies. (i.e., full-time, half-time, less than half-time)

**Exit Exam** Required for all bachelor degree graduates for assessment purposes.

**Good Standing** Academic status of students who are not on probation or under suspension.

**General Education Program** Group of foundation courses required of undergraduate students regardless of the student's major.

**Grade Point** Numerical value given to grades. For example, four grade points per credit hour is awarded for a grade of "A".

**Grade Point Average (GPA)** Calculation derived from dividing the grade points earned by the number of credits attempted.

**Hold** Block which prohibits students from functions such as registering for courses or receiving a transcript or diploma. Most holds are due to an unpaid financial obligation, or failure to complete a required process.

**Honors, Scholastic** Designation indicated on the graduates' diploma and transcript that reflects outstanding scholarship.

**Honors College Program** Designed to serve the needs of academically talented, high-achieving students accepted into the Honors College Program.

**Identical Courses** Those courses identified by multiple course codes and/or numbers that are taught in the same classroom, at the same time, and by the same instructor. Student may only receive credit toward graduation for one.

**Incomplete Grade** Assigned when a student has not completed all work for a course and the instructor agrees to allow additional time for completion of the course.

**Internship** Work at a business or agency related to a student's major and/or career plans for which credit hours are awarded.

**Intersession** Brief period (typically 1-3 weeks) between semesters when a limited number of courses are offered.

**Lower Division** Undergraduate courses numbered lower than 300.

**Major** Collection of courses and requirements that is designated as the student's primary area of specialization. Appears on the student's diploma and transcript.

**Minor** Collection of courses indicating additional specialization in an area of study beyond the major. Minors do not appear on the student's diploma but are listed on the student's transcript.

**Mixed Credit** Courses that are part of an accelerated graduate program in which students can receive both graduate and undergraduate credit.

**My Missouri State** Web-based system that provides access to personal student information, email, blackboard, online registration, and much more. A BearPass account is required to access the system.

**Non-Comprehensive Major** One that requires completion of a minor in order meet graduation requirements.

**Non-resident** Student who does not meet requirements for classification as a Missouri resident for fee purposes in accordance with the residence policy.

**Non-traditional student** Includes evening students, married students, students with children, and students of 22 years of age or older.

**Option** Sub-set of courses within the major that represent a specialized area of study. Officially approved options appear on the transcript but are not printed on the diploma.

**Overload** Semester credit hours that exceed the maximum number of hours permitted based on the student level (undergraduate or graduate). Permission is required for an overload.

**Parallel (undergraduate and graduate level) courses** those courses that have both an undergraduate and graduate version (example: ACC 504 and ACC 604). Students who enroll in either course meet in the same room at the same time with the same instructor. The graduate level version of the course must require coursework appropriate for graduate credit. Parallel

courses are identified in the semester class schedule as "cross-listed" courses.

**Pass/Not Pass** Grading option that allows students to pursue coursework without affecting their GPA.

**PIE (Partners in Education)** Program designed to facilitate communication between first-year students and their families. Through written consent of the student, members will have increased access to their student's information.

**Postbaccalaureate** Nondegree seeking graduate student who has earned a bachelor's degree and wishes to take additional courses but not pursue an additional degree.

**Prerequisite** Specific requirements that must be met prior to enrolling in a given class. Prerequisites may consist of courses, test scores, or enrollment in a specific program of study.

**Probation** Status that indicates unsatisfactory academic progress. Students may be subject to academic load limitations and other restrictions.

**Program of Study** All requirements that a student must complete in order to be awarded a degree or University certificate.

**Readmission** Admission process followed by a student who wishes to enroll after not taking classes for one full calendar year.

**Registration Restriction** A type of prerequisite that requires student be in a specific program of study in order to take the class

**Reinstatement** Process by which a suspended student appeals to return to the university.

**Semester** Instructional period of 15 weeks plus a final examination period offered twice a year (referred to as *Fall* and *Spring* semester). Additional instructional periods include intersessions and a summer session.

**Senior Permission** Allows students to take graduate coursework while still classified as an undergraduate. Permission is required.

**Service Learning** Program which allows students to earn academic credit in selected courses in exchange for meaningful and productive community service.

**SOAR (Student Orientation, Advisement, and Registration)** Program, a day and a half in

length, designed to assist students and their families in making a successful transition to university life.

**Student Services Fees** Required fees assessed at the time of registration that cover the student's access to a variety of services, programs, and activities.

**Suspension** Status that prevents a student from enrolling in courses unless an exception is granted by the dean of the student's major.

**Syllabus** Document describing the objectives, outcomes, assessment activities, and structure of a course that is made available to students during the first week of classes.

**Term** Same as a semester

**Transcript** Serves as the student's official academic record and the University's official record of credit and degrees awarded, including the courses taken by a student and the grades received in each course. Probations, suspensions, and disciplinary expulsions also appear on the transcript.

**Transfer Credit** Courses taken at another accredited institution and accepted toward degree requirements at Missouri State.

**Transfer Student** Student who has completed 24 or more transferable credit hours *after* high school graduation.

**Tuition** The amount of money that must be paid for classes. Other fees may be assessed in addition to tuition.

**Upper Division** Undergraduate courses numbered 300 and above.

**"W" Grade** Indicates student withdrew from (dropped) a class without academic penalty.

# Selected University Policies

- Disability Accommodation Policy for Students
- Email Communications
- Equal Opportunity and Affirmative Action
- FERPA/Confidentiality of Student Education Records
- Student Rights and Responsibilities

View the entire University Policy Library

# Detailed Tuition and Fees

## Summer 2017 required student fees

Review summer 2017 required student fees.

## 2017-18 required student fees

Required Student Fees are a combination of Tuition and Student Services Fees. They are subject to revision without notice. See below for additional enrollment fees for the College of Arts and Letters, and the College of Business.

For comprehensive fee information, refer to the 2017-2018 Fee Schedule approved by the Board of Governors.

Important Note: Blended courses (those that integrate online and traditional face-to-face activities) are assessed at the regular instruction rate and are assessed Student Services Fees. Such courses are identified with a instructional method of "blended" in the semester class schedule.

## Tuition for regular instruction (per credit hour)

| **Course Level or Type *(includes "blended" courses)*** | **Missouri Resident** | **Non-Missouri Resident** |
|---|---|---|
| Courses numbered 1-599 | $210.00 | $458.00 |
| Courses numbered 600-999 (not listed below) | $268.00 | $539.00 |
| College of Health and Human Services - ANE courses numbered 700-899 | $293.00 | $293.00 |
| College of Health and Human Services<br>• ATC courses numbered 600-799<br>• BMS courses numbered 600-799<br>• CSD courses numbered 600-999<br>• DTN courses numbered 700-799<br>• NUR courses numbered 700-999 | $298.00 | $569.00 |

| | | |
|---|---|---|
| • OTE courses numbered 600-799<br>• PAS courses numbered 600-799<br>• PTE courses numbered 700-899 | | |

## Tuition for Internet based instruction (per credit hour)

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|---|---|
| Internet based instruction except courses listed below | $285.00 | $285.00 |
| College of Health and Human Services - ANE courses numbered 700-899 | $310.00 | $310.00 |
| College of Health and Human Services<br>• ATC courses numbered 600-799<br>• BMS courses numbered 600-799<br>• CSD courses numbered 600-999<br>• DTN courses numbered 700-799<br>• NUR courses numbered 700-999<br>• OTE courses numbered 600-799<br>• PAS courses numbered 600-799<br>• PTE courses numbered 700-899 | $315.00 | $315.00 |
| Master of Science in Computer Information Systems**:<br>CIS 660, 732, 734, 736, 738, 740, 742, 744, 746, 747, 748, 750, 752, 754, 756, 765<br>**Courses specifically listed in the Graduate Catalog as applicable to the program requirements for the Master of Science in Computer Information Systems programs will be assessed at the Master of Science in Computer Information Systems rate when taken for degree credit in the Master of Science in Computer Information Systems program, but will not be assessed the graduate-level College of Business Additional Per Credit Hour fee. | $420.00 | $420.00 |

## Tuition for courses offered at BearNet locations other than Springfield

## including ITV instruction (per credit hour)

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|---|---|
| Courses numbered 1-599 | $210.00 | $210.00 |
| Courses numbered 600-999 | $268.00 | $268.00 |
| EDD courses numbered 900-999 | based on University of Missouri-Columbia resident rate | |

## Tuition for courses offered via Web Conference (per credit hour)

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|---|---|
| Courses numbered 1-599 | $210.00 | $210.00 |
| Courses numbered 600-999 | $268.00 | $268.00 |
| EDD courses numbered 900-999 | based on University of Missouri-Columbia resident rate | |

## Exceptions to the above

### Per credit hour

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|---|---|
| High School Dual Credit | $70.00 | $70.00 |
| AGE 728 and AGE 738 | $175.00 | $175.00 |
| eMINTS (Enhancing Missouri's Instructional Networked Teaching Strategies) | $100.00 | $100.00 |
| R-12 enrollees in SFR 791/Step-Up | $45.00 | $45.00 |
| EDD (Educational Leadership) 900-level courses are based on University of Missouri-Columbia, Missouri Resident | | |

| |
|---|
| graduate course per credit hour fee |
| EGR (cooperative Engineering program) 100, 200, 201, 300, 301, 400, 401, 500, 501 are based on Missouri University of Science and Technology rates |
| For Study Away courses or exchanges administered by MSU, tuition will be assessed at the Missouri resident rate for both residents and non-residents. This does not apply to students registered in courses administered by affiliate program providers. Additional program fees will be assessed. |

### Flat fee in place of per credit hour

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|---|---|
| GEN 598 and GEN 798, Active in Research | $75.00 flat fee | $75.00 flat fee |
| MIL 225 and MIL 325, Military Science Practicum | $150.00 flat fee | $150.00 flat fee |
| MS to DNAP courses, Sections 895 (beginning Fall 2017)**<br><br>**Students who first enroll in the MS to DNAP completion program (coded NAPM-DNAP) Summer 2017 or later, tuition and fees will be assessed at the FY17 rate for the Summer 2017 session and the Flat Fee of $2,700 for each three-credit course ($900 per credit hour) beginning in Fall 2017. | $2,700.00 flat fee | $2,700.00 flat fee |

## Student Services Fees

Student Services Fees are assessed in addition to tuition and are based on the total credit hours for which a student enrolls, **excluding** the credit hours associated with the following sections identified as:

- Intersession
- iCourse
- Internet
- sections taught in any location other than the Springfield campus
- sections scheduled to meet on the Springfield campus fewer than four times

Important Note: Blended courses (those that integrate online and traditional face-to-face activities)

are assessed Student Services Fees. Such courses are identified with a instructional method of "blended" in the semester class schedule.

### Fall 2017 and Spring 2018

- 1-hour load: $173.00
- 2-hour load: $222.00
- 3-hour load: $269.00
- 4-hour load: $317.00
- 5-hour load: $365.00
- 6-hour load: $413.00
- 7 or more-hour load: $503.00

### Summer 2018

- 1-hour load: $113.00
- 2-hour load: $154.00
- 3-hour load: $196.00
- 4 or more-hour load: $242.00

Additional information regarding Student Service Fees may be found here.

## Other Enrollment Fees (per credit hour)

These enrollment Fees will not be assessed for sections identified as High School Dual Credit.

| Course Level or Type (applies to Internet-based instruction as well*) | Missouri Resident | Non-Missouri Resident |
|---|---|---|
| College of Arts and Letters - Media, Journalism & Film Production-Intensive Courses:<br>• JRN 384, 388, 478, 481, 493, 592<br>• MED 130, 290, 361, 365, 382, 383, 390, 461, 462, 465, 466, 472, 490, | $25.00 | $25.00 |

| | | |
|---|---|---|
| 493, 498, 561, 562, 583, 762, 793 | | |
| College of Arts and Letters - Music courses numbered 000-799 **except:**<br>• MUS 107, 108, 149, 151, 152, 153, 155, 156, 157, 158, 159, 160<br>• MUS 207, 208, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 298<br>• MUS 307, 308, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398<br>• MUS 407, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 488, 494, 496, 498, 499<br>• MUS 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798 | $15.00 | $15.00 |
| College of Arts and Letters - Art, Design, and Museum Studies courses numbered 000-799 **except:**<br>• ART 360, 366, 374, 377, 378, 381, 382, 385, 386, 387, 388, 390, 399<br>• ART 401, 407, 469, 472, 474, 475, 478, 479, 480, 483, 484, 485, 490, 491, 492, 494, 495, 496, 497, 598<br>• ART 672, 675, 678, 680, 684, 685, 692, 698, 760, 783, 794, 795<br>• MST 495, 501 | $25.00 | $25.00 |
| College of Business undergraduate-level courses numbered 300-599 | $40.00 | $40.00 |
| College of Business graduate-level courses:<br>• ACC courses numbered 601-799<br>• BUS courses numbered 600-799<br>• CIS courses numbered 601-799*<br>• FIN courses numbered 600-799<br>• INS courses numbered 600-799<br>• LAW courses numbered 600-799<br>• MGT courses numbered 600-799<br>• MKT courses numbered 600-799<br>• QBA courses numbered 600-799<br>• TCM courses numbered 600-799 | $45.00 | $45.00 |

| | | |
|---|---|---|
| *Courses taken for degree credit in the Master of Science in Computer Information Systems program are not assessed the graduate-level College of Business Additional Per Credit Hour fee. | | |

# Academic Policies and University Requirements

## Academic policies

In addition to satisfying all degree requirements below, students should be familiar with the University's Academic Policies and Procedures. These policies may change from year to year and such changes apply to *all* future, current, continuing, and returning students. Students are encouraged to consult with their academic advisor or the Office of the Registrar if they have questions regarding an academic policy.

## Components of a degree program

A. The General Education Program is that portion of the curriculum in which the university addresses the knowledge, abilities, skills, habits, and dispositions of educated persons.

B. A major is the student's primary area of specialization. Many majors have options which are sub-sets of courses within the major that represent an even more specialized area of study. Students who select a major with options must choose from one of the options (i.e., options are not optional.)

C. A minor is the student's secondary area of specialization. Minors are required for all non-comprehensive majors offered under the Bachelor of Arts and Bachelor of Science degrees and are optional for all other degrees.

D. The General Baccalaureate Policies and Degree Requirements include such requirements as catalog of graduation policy, total hours, upper division, GPA, and residence requirements.

E. All Bachelor of Arts degree candidates must complete a 27-hour core of courses.

F. All Bachelor of Science in Education and Bachelor of Music Education degree candidates must satisfy all Teacher Education Program requirements.

# Academic Policies and Procedures

## A to F

- Academic Integrity Procedures Summary
- Academic Renewal
- Academic Status
- Adding and Dropping Classes (and Withdrawing), Procedures for
- Address Change
- Assessment Program
- Attendance Policy
- Auditing a Course
- Certificate, University
- Change of Schedule (Add/Drop)
- Class Disruption
- Classification
- Commencement
- Confidentiality of Student Records (FERPA)
- Credit for Military Education and Experience
- Credit Hours and Semester System
- Dean's List
- Declaring or Changing a Major

## G to Z

- Grade Appeals and Academic Grievances
- Grade Point Average
- Grading and the Credit Point System
- Graduate Credit, Undergraduate Students Taking
- Graduation
- Holds
- Incomplete Grade
- Instructor Drop
- Intersession
- Legal Information and Status
- Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders
- Mixed Credit (refer to Graduate Credit)
- Name Change
- Overload Permission
- Pass/Not Pass Grading Option
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- Prerequisites
- Prior Learning Assessment

- Degree Audits
- Degree Program
- Diploma
- Dual Enrollment
- Enrollment Status/Reduced Course Load Policy
- FERPA Policy
- Final Examination Period
- Registration
- Repeat Policy
- Scholastic Honors
- Senior Permission (refer to Graduate Credit)
- Transcript
- Undergraduate Transfer Credit Policy

# Academic Integrity Procedures Summary

*Op3.02 Academic Integrity Procedures Summary*

**1. Instructor / Student Discussion:** Ideally in the first step, the instructor and student meet face-to-face as soon as possible to discuss the apparent violation of the AI policy. In this, the instructor presents the student with allegation of academic dishonesty and any evidence supporting that allegation, and informs the student of intended sanction(s), consistent with those specified in the course syllabus. The student presents evidence of his/her innocence. [*GO TO #2*]

***Special Case: Student Not Associated With Enrollment in a Course:** Any incident of alleged academic dishonesty by a student not enrolled in a particular course should be reported directly to the Academic Integrity Council (AIC) Chair. [*GO TO #4*]

**2A. No AI Violation Occurred:** If, after this meeting, the instructor believes that no violation had occurred, the allegation(s) will be dropped. The case ends here. [*STOP*]

***OR***

**2B. Violation of the AI Policy has Occurred:** If the instructor still believes that the AI policy has been violated by the student, he/she must complete the violation-reporting form (available at http://www.missouristate.edu/academicintegrity/) which provides the student with a written summary of the alleged incident and the intended sanction(s). Copies are sent to the instructor's Department Head, the AIC Chair, and the Office of the Provost to be maintained as part of AIC records.

The student has one week from the receipt of this letter (form) in which to notify the Department Head if he/she plans to appeal the instructor's accusation/sanction.

When a report of academic dishonesty is filed with the AIC, the student will receive another letter, copied to the instructor and the Department Head. This letter will verify that a report has been received from the instructor and indicate how it will be used, affirm the confidentiality of the report, reiterate the student's right to appeal, and recommend that the student review the university's AI policy. [*GO TO #3*]

**3A. No appeal to the Department Head:** Records are maintained, and the sanction(s) indicated by the instructor is(are) enforced. [*STOP*]

***OR***

**3B. Appeal to Department Head:** Upon receipt of the student's written appeal, the Department Head will meet separately with the student and the instructor. The Department Head must notify the instructor and the student in writing of his/her decision, and must inform the instructor and the student that **either** may appeal the Department Head's decision (in writing) to the AIC Chair within fifteen (15) academic days (days when classes are in session) from the date of the Department Head's letter. The Department Head must send a detailed report of his/her decision along with pertinent documents to the AIC Chair and the Office of the Provost. [*GO TO #4*]

**4A. No appeal to the Academic Integrity Council:** Records are maintained, and the sanction(s) indicated by the instructor is(are) enforced. [*STOP*]

***OR***

**4B. Appeal to the Academic Integrity Council:** The Chair of the AIC will assemble a five-member panel of faculty and student members of the Council to hear the appeal, and will notify the student, the instructor, and the Department Head in writing fifteen (15) academic days prior to the proceeding (whenever possible). An Academic Integrity Proceeding is an academic process unique to a community of scholars and is not modeled on criminal or civil legal proceedings; however, a student against whom an allegation has been lodged may be accompanied by an advisor (with prior approval from the AIC Chair). The advisor may be an attorney, but does not address the panel. [*STOP*]

## Important note

No grade-related sanction may be imposed until a student admits misconduct and/or forgoes appeal rights, or is found in violation after a formal proceeding. **The student must be allowed to continue attending the class in which dishonesty has been alleged until the right of appeal has been exhausted**. If an academic integrity matter is pending at the end of a semester, the instructor must assign an Incomplete (I) in the course until the matter is resolved. **A student cannot avoid a failing grade by dropping the course.** The instructor can impose a sanction of "F" or "XF" even if the student drops the class, including drops that occur prior to the no-penalty drop deadline. (See below for further information on this process.)

## Reporting academic dishonesty

Anyone who has witnessed an apparent act of student academic dishonesty, or has information that reasonably leads to the conclusion that such an act has occurred or has been attempted, is strongly encouraged to report said act. Acts of apparent academic dishonesty that occur in the

classroom may be reported directly to the course instructor, the instructor's Department Head, and/or the instructor's College Dean. Incidences of apparent academic dishonesty may also be reported directly to the Academic Integrity Council by contacting the Chair of the Council at 836-5169. Anonymous reports will not be accepted, but the identity of any person reporting a suspected instance of academic dishonesty will be held in strict confidence.

## Academic Integrity records

Academic Integrity records are subject to the Family Educational Rights and Privacy Act (FERPA) and our Policy Regarding Personally Identifiable student Records. Academic Integrity records are maintained in the Office of the Provost.

## Sanctions

**Possible sanctions available to instructors include (but are not limited to):**

- Denying credit on the assignment/exam
- Requiring additional assignments/exams
- Lowering the student's course grade
- Issuing a failing course grade of "F"
- Issuing a failing course grade of "XF," indicating failure due to academic dishonesty
- Completing the AI Policy On-line Tutorial

## Course policy statement

The syllabus/course policy statement is very important in determining sanctions that can be imposed. Syllabi may reflect the instructor's personal views and class policies, but syllabi must also be consistent with the university's student *Academic Integrity Policies and Procedures.*

Following is suggested syllabus wording. This recommended wording allows an instructor to impose all sanctions available under the university policy, including the grade of "XF."

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*"Missouri State University is a community of scholars committed to developing educated persons who accept the responsibility to practice personal and academic integrity.*

*Students are responsible for knowing and following the University's Student Academic Integrity Policies*

*and Procedures, available at http://www.missouristate.edu/academicintegrity/policies.htm*

*The complete document is available at the Reserves Desk in Meyer Library. Any student participating in any form of academic dishonesty will be subject to sanctions as described in this policy.*

## Assigning the "XF" grade

A grade of "XF" cannot be assigned via the on-line grade submission process. To assign a grade of "XF," the instructor must send a memo stating the intention to assign an "XF" grade to the AIC Chair, and the Office of the Provost with a copy to the Department Head. A memo must also be sent if the instructor wishes to assign an "F" grade to a student who dropped the class before the no-penalty deadline. The Office of the Provost will then notify the Records Office.

**Note:** After a time period of at least 12 months, a student may petition to the AIC to have the "XF" removed from the transcript and replaced with a grade of "F." The decision to remove the grade of "XF" and replace it with an "F" shall rest in the discretion and judgment of a majority of the entire AIC, which will undertake a review of the records in the case, and may include additional requirements before granting the petition.

## Revoking a grade/degree

If an instructor discovers academic dishonesty after final grades have been assigned and wishes to retroactively impose an "F" or "XF" grade for the course as a sanction, the instructor must send written notification to the AIC, and the Office of the Provost, with a copy to the instructor's Department Head and Dean; and in the case of a Graduate student, with a copy to the Dean of the Graduate College. This written notice must be received by the AIC within five (5) calendar years. However, alleged academic dishonesty may be reported to the AIC regardless of how much time has passed since the alleged act. If retroactively failing a class due to academic dishonesty means that a graduated student no longer has met the requirements of the degree, the University may revoke said degree. Refer to the student *Academic Integrity Policies and Procedures* for further information.

# Academic Renewal Policy

Note: If you choose Academic Renewal, you may be ineligible for financial aid. Check with the Financial Aid Office before deciding if Academic Renewal is right for you.

*Op3.04-2 Academic Renewal*

Academic renewal is designed to permit students with a grade point average deficiency to remove the effects of low grades from their academic record, under the following conditions:

1. This policy applies only to undergraduate students and must be invoked prior to earning a degree at Missouri State or another institution.
2. A student enrolled at Missouri State after an absence of five years or more from college may elect academic renewal. This renewal will affect only those courses taken prior to the five-year absence and may be elected only once in a lifetime.
3. Once elected, academic renewal applies to all courses, whether passed or failed and regardless of origin, taken prior to the date chosen by the student.
4. Academic renewal does not erase the record. The grades received are removed from the GPA with an appropriate notation on the transcript indicating the renewal election. Academic renewal is a policy of Missouri State and as such may not be recognized by outside institutions or agencies.
5. Credit hours subjected to academic renewal cannot be used to meet any requirements (e.g., graduation, prerequisite, or certification).
6. Once elected, academic renewal is irrevocable. Students must consult an academic advisor prior to election of academic renewal. Final approval for all academic renewal applications will be processed by the Office of the Provost.

## Procedures

1. Download the Academic Renewal Request form, or obtain form from the Office of Academic Assistance, University Hall 115.

2. Students who have *ever* received GI Bill benefits at *any* institution must obtain the approval and signature of the Missouri State University Veterans Affairs Certifying Official on the form.

3. Take the form to your academic advisor and obtain advisor signature.

4. Take the completed form to the Office of Academic Assistance, University Hall 115, for processing. Upon approval of the Associate Provost, the form will then be forwarded to the Office of the Registrar.

Please contact the Office of Academic Assistance, University Hall 115, 417-836-8346 if you have questions.

**Note: If you choose Academic Renewal, you may be ineligible for financial aid. Check with the Financial Aid Office before deciding if Academic Renewal is right for you**.

# Academic Status

*Op3.04-3 Academic Status*

The following policy applies to undergraduate students based on their undergraduate grade point averages (GPA).*

## Good standing

A student who has both a cumulative Missouri State **and** a combined (Missouri State and transfer) GPA of at least 2.00 is considered to be in good standing. Students not in good standing will be placed on academic probation or suspension.

## Probation

Any student with a cumulative Missouri State **or** a combined GPA of less than 2.00 is on probation unless placed on academic suspension (see below).

The purpose of academic probation is to remind students that the quality of their cumulative academic work is unsatisfactory. Students on probation must have an advisor release prior to registering for classes. Additionally, students on probation may be ineligible for participation in organizations or activities and may be ineligible for financial aid. Students on probation are encouraged to take advantage of the resources offered by the University to ensure their academic success.

## Suspension

A student who enters a semester on academic probation and fails to earn a semester GPA of 2.00 or higher will be suspended unless s/he has both a cumulative MSU GPA and a combined (Missouri State and transfer) GPA of 2.00 or higher at the end of the semester. Additionally, a student who earns a semester GPA less than 1.00 and, as a result, has a Missouri State or combined GPA of less than 2.00, will be suspended unless the dean of the college of the student's major determines that there are circumstances which warrant an exception. Individual deans establish the process by which such exceptions will be considered.

After an initial suspension, students must remain out for at least one full semester (not including summer) to be eligible for reinstatement. Students who have been suspended two or more times

must remain out for at least one full year prior to being eligible for reinstatement.

## Reinstatement

Reinstatement procedures are determined by the deans and the Office of Admissions. Information regarding the procedure is available from the Office of Admissions. Reinstatement is not an automatic process. Students must be approved for reinstatement by the dean of the college under which they plan to return.

**Students whose last semester of attendance was prior to fall 2010 should refer to the catalog in effect for that semester.*

# Procedures for Adding and Dropping Classes (and Withdrawing)


- Adding a class
- Dropping a class
- Additional Procedures for dropping all classes


## Procedures for adding a class or changing sections

### For students without a registration hold:

Students without any holds that block registration may add a class or make a section change online through the My Missouri State portal or through the Office of the Registrar.

### For students with a registration hold:

- Students with any hold that prevents web registration will need to clear the hold with the appropriate office before initial registration can take place. Visit the Hold Codes page to understand how to remove your holds.
- Students with current registration, may make a change of schedule by contacting the Office of the Registrar.

### Special circumstances:

- If permission is required as a course prerequisite, that permission must be granted by the department before the class can be added to registration.
- University athletes must process all registrations and change of schedules in the Dr. Mary Jo Wynn Academic Achievement Center.

### Changing schedule after schedule change deadline:

After the stated deadline to add/change classes, departmental approval will be required to add a class or change sections of a class. Students must go the department office which offers the class

with the Registration/Change of Schedule Form with the proper signature and department stamp, and take the completed form to the Office of the Registrar for processing.

## Procedures for dropping a class

The date each drop is completed shall be the date used in determining the refund of fees and the assignment of grades. For exception to drop after the stated deadline to drop a class, refer to the "Exception" section of the Change of Schedule policy.

### For students without a registration hold:

Students may withdraw from one or more of their classes online through their My Missouri State portal on the Academics Tab or through the Office of the Registrar.

### For students with a registration hold:

Students, including athletes, who have a hold that prevents using the web registration system can drop the class or classes by accessing the Holds page in the My Missouri State portal, on the Academics tab.

### Important Notes:

Drops are not allowed after the last day to drop deadline for the course. Students may find the specific deadlines for their courses through their My Missouri State portal, on the Academics tab, under the "Refund Drop Deadlines."

Students should use the drop procedure judiciously as dropping courses will generally result in extending the time required to complete a degree. In addition, dropping below a full-time or half-time enrollment status may jeopardize insurance, financial aid, scholarship, athletic participation eligibility and immigration status for F-1 or J-1 students.

Students dropping a class because of a concern regarding their grade in a course are encouraged to consult with the instructor prior to dropping a course. Students who are concerned about the impact of dropping a course on their progress toward graduation are encouraged to consult with their academic advisor prior to dropping.

University athletes must process all registrations and change of schedules in the Dr. Mary Jo Wynn Academic Achievement Center.

## Additional procedures for dropping *all* classes

Drops are not allowed after the last day to drop deadline for the course. Students may find the specific deadlines for their courses through their My Missouri State portal, on the Academics tab, under the "Refund Drop Deadlines." For exception to drop after the stated deadline to drop a class, refer to the "Exception" section of the Change of Schedule policy.

## Important information for students who withdraw from all classes during a semester:

**Meal Plans:** Contact the Dining Services Office regarding their refund policy for meal plans which are independent of a housing contract.

**Parking:** Parking permits must be returned to the Parking Administration Office by students who wish to receive a refund of the parking permit fee.

**Residence Halls:** Students living in University housing must terminate their housing contract and vacate their room or apartment within 24 hours of the date of the drop. For information, contact the Office of Residence Life and Services.

**Veterans:** Recipients of veterans benefits must report drops to the Veteran Student Center.

**BearPass Card:** Students who have a BearPass Card Debit Account must complete a BearPass Card Debit Account Withdrawal form which is available at the BearPass Card Office. This form will cancel the account and authorize a refund of the account balance.

# Address Change

## Procedures for changing address

### Download Change of Student Contact Information Form

*You need Adobe Reader to view and print documents on this page.*

**This form is used to request changes to:**

- Temporary/Local Address
- Primary Permanent Address
- Emergency Contact Information
- Personal Email Address
- Cell Phone Number

**Students may:**

- Bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8:00 a.m. to 5:00 p.m. and Thursday from 9:00 a.m. to 5:00 p.m.; or
- Fax to 417-836-6334; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account

**Employees may:**

- Bring form to the Office of Human Resources, Carrington Hall 118; or
- Fax to 417-836-6789; or
- Email scanned form to HumanResources@missouristate.edu

# Assessment Program

*Op3.04-6 Assessment Program*

The assessment program at Missouri State is designed to assist in the development and maintenance of the highest quality programs and services. The information gathered in this process is used by University administrators, department heads, the faculty and staff to evaluate and improve both academic and non-academic offerings. Because the success of this program requires widespread cooperation from the entire university community, it is the policy of Missouri State that all students are expected to participate in the assessment process. This participation may include, but not be limited to: the assessment and evaluation of basic skills, general education, programs in the majors and minors, continuing education, and surveys of the various components of the students' educational experiences. The Office Of Assessment implements the University's assessment program and provides faculty with unique opportunities for enhancement of instruction and student learning.

# Attendance Policy

*Op3.04-7 Attendance Policy*

Because class attendance and course grade are demonstrably and positively related, the University expects students to attend *all* class sessions of courses in which they are enrolled. Each instructor has the *responsibility* to determine specific attendance policies for each course taught, including the role that attendance plays in calculation of final grades and the extent to which work missed due to non-attendance can be made up. On the *first day of class,* each instructor will make available to each student a written statement of the specific attendance policy for that class. The University encourages instructors not to make attendance a disproportionately weighted component of the final grade. The University expects instructors to be reasonable in accommodating students whose absence from class resulted from: (1) participation in University-sanctioned activities and programs; (2) personal illness; (3) temporary military orders or Veterans Administration medical appointments; or (4) family and/or other compelling circumstances. Instructors have the right to request documentation verifying the basis of any absences resulting from the above factors. Any student who believes that his or her final grade for a course has been reduced unfairly because of attendance factors has the right to appeal that grade under the process outlined below.

## Appeal process for attendance-related grade reductions:

The process of grade appeal based upon attendance factors is intended to render a timely and peer-based judgment and is outlined as follows:

A. The student should first attempt to resolve the grade conflict with the instructor on an informal basis. If satisfactory resolution is not reached, formal appeal should be initiated as outlined in (2) below.

B. The student initiates the formal appeal process as follows:

    a. The student writes a formal letter to the instructor (or to the appropriate department head if the instructor is no longer on campus) requesting a re-evaluation of his or her grade. The letter should include the following information: student's name and BearPass Number; the course code, number, and section; the year and semester the course was taken; the instructor's name; and a clear statement of the grade change request and reasons which justify the request. This formal letter must be initiated no later than the end of the first semester after the grade in question is received (excluding summer

semester).

b. The instructor (or the appropriate department head if the instructor is no longer on campus) must respond to the formal appeal within ten (10) school days of the receipt of the formal letter:
    a. If it is determined that the student's request is justified, the instructor (or department head, as appropriate) will prepare a Grade Change Authorization and submit it to the department head, who will forward it to the Office of the Registrar. If the grade change is in a course taken for graduate credit, the department head must also notify the Graduate College.

    b. If it is determined by the instructor (or department head, as appropriate) that the student's request is *not* justified, the instructor (or department head) will write a formal response to the student justifying his or her decision.

c. Should the student desire to continue the appeal process, he or she may request a formal hearing before the Attendance Appeal Board (AAB)[1] as follows:
    a. The student will submit to the Office of the Vice President for Student Affairs a completed AAB Request for Hearing Form (including a release of information on grades awarded on examinations and assignments, and attendance data, for the specific course in question); the student's formal letter to the instructor (or department head, as appropriate); and the instructor's (or department head's) response.

    b. Upon receipt of the specified documentation, the AAB will determine if the grade reduction is attendance related and potentially unreasonable and/or at variance with the instructor's stated attendance policy. If it is so determined, the AAB will convene a hearing *at the earliest possible date* based upon the schedules of the involved parties. The hearing will be conducted in an attempt to determine the facts associated with the appeal and the intent is that a recommendation will be rendered by the end of the semester in which the appeal was filed.

    c. The AAB is advisory only. The Board will forward all documentation and its recommendation to the Provost. Based upon those data, the Provost will make a ruling to the extent that: (1) the grade should be changed including the new grade to be awarded; or (2) the grade should not be changed.

[1]The Attendance Appeal Board will consist of five members as follows: The Board Chair will be the Vice President for Student Affairs or his/her designee. The Vice President for Student Affairs will also select one faculty member from among those serving on the Faculty Student Judicial Commission and three students from among those serving as Justices on the Campus Judicial

Board.

**Students are not automatically dropped for non-attendance. Failure to properly drop or withdraw will result in F grade(s) and a continued financial obligation.**

# Auditing a Course

*Op3.04-8 Auditing a Course*

The auditing student is expected to attend class regularly and should consult with the instructor to determine what else is expected in the course. If an auditing student does not attend class regularly or does not fulfill agreed-upon expectations, the instructor may direct the Office of the Registrar to drop the student from the class. Such drops will be graded with a "W" grade and will be subject to the normal fee refund policy.

Students may audit courses to the maximum authorized academic load. A person currently not enrolled at the University must be admitted in order to register as an auditor. Courses audited are counted in the same way as courses taken for credit in determining required student fees. Credit is not awarded for auditing a class. Audited classes are excluded when determining enrollment status (full-time, half-time) and eligibility for the semester Deans List. Audited classes are included when determining need for Overload Permission.

To audit a course (or to remove a course from audit) the student must complete a form in the Office of the Registrar, Carrington Hall room 320 any time prior to the "W" grade deadline for that course. Students may not change from a credit basis to an audit basis or vice versa once the "W" grade deadline has ended.

## Procedures

Download Request to Place Course on Audit Form

- Bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8:00 a.m. to 5:00 p.m. and Thursday from 9:00 a.m. to 5:00 p.m.; or
- Fax to 417-836-6334; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897

# University Certificate

*Op3.04-21 Diploma/University Certificate*

The diploma/certificate is provided to students approximately four to six weeks after the end of the semester of graduation if all graduation requirements have been met. Any hold preventing the release of a student's transcript will also prevent the release of a student's diploma/certificate.

The diploma lists the degree earned, major(s), and the scholastic honors attained at the end of the semester of graduation. Options within majors and minors are not recorded on the diploma but are on the transcript. Students completing multiple majors in the same degree in the same semester will only receive one diploma listing all majors.

The certificate lists the level (undergraduate or graduate) and the name of the program of study.

The student name listed on a diploma or certificate must match a name on file in the University's student information system, which will be available to select in the application to graduate process. Information on adding or changing a name in the system is available in the Change of Student Legal Information and Status Policy.

All reissued diplomas and/or certificates produced on or after August 28, 2005 will bear the name Missouri State University.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a reissued diploma/certificate. A reissued diploma/certificate fee will be charged in accordance with the current Fee Schedule.

## Procedures for requesting reissued certificate

# Change of Schedule (Add/Drop)

*Op3.04-10 Change of Schedule (Add/Drop)*

## Policy

Below are policies related to adding a class, dropping a class, section changes, and exceptions. Refer to the Procedures for Adding and Dropping Classes for more information on how to add or drop a class, or withdraw from the University (drop all classes).

## Adding a class

Classes may be added prior to the beginning of the semester and during the Change of Schedule Period (from the first day of classes through the end of the 100%refund period). Classes which have not yet begun (e.g., second block courses, short courses, independent study, etc.) may be added after the Change of Schedule Period has ended.

## Dropping a class

Dropping all classes is considered a “withdrawal from the University.” Refer to Procedures for Adding and Dropping Classes for more information.

Classes dropped prior to the end of the Change of Schedule period will not appear on the transcript. Classes may be dropped with a “W” grade from the end of the Change of Schedule period until four weeks prior to the last day of full semester classes, after which time students may not drop. For all classes with a different duration than a full semester, the relevant deadlines can be found in the Drop and Refund page. A “W” grade indicates the student withdrew from the course without academic penalty.

Students who plan to drop a class in which academic dishonesty has alleged to have occurred should first refer to the Academic Integrity Policies and Procedures.

**Students who have a hold which prevents using the registration system can drop a class or classes by requesting a drop via the Drop With a Registration Hold Request Form found on the Holds and Add or Drop Classes links of My Missouri State.**

Students are expected to complete all registered courses. Failure to properly drop classes will

result in the assignment of F grades for those classes, as well as a continued financial obligation for any unpaid tuition charges for those classes. For more information, see the “Exceptions to the Required Student Fees Refund Policy” section of the fee resolution.

## Section changes

As stated in the Fee Schedule, students may drop a section and add a different section of the same course during the same part of term and receive an even exchange of fees, provided the section add and drop were processed during the same transaction. Students who drop and add a section in the same course, but in a different part of term do not qualify for this fee exchange. Students who drop a special topics course and add the same course but with a different topic do not qualify for this fee exchange.

## Exceptions to the policy

Exceptions to allow a drop after the stated deadline to drop a class are issued to students who have an overwhelming, unforeseen circumstance (e.g., personal medical condition, catastrophic loss) which significantly interferes with the ability to meet the academic commitments of the class or circumstances that interfere with the ability to drop the class before the deadline. In order to be considered for a request for an exception to the drop date, the student must provide appropriate documentation as early as possible but no later than the last day of the class the student is requesting to drop.

Examples of acceptable documentation regarding personal illness include:

- A letter from the student’s appropriate health care provider describing the student’s health problem, how it was unforeseen before the drop deadline, and how it interferes with successful completion of the semester. The letter should include a recommendation that the student be granted an exception to the drop deadline from the date of the onset of the health problem. Medical visit dates should be listed.
- Records of hospitalization or treatment related to the specific health condition(s) (inpatient and/or outpatient).
- Any other pertinent information that supports how the student’s acute health condition(s) interfered with the ability to meet academic commitments.

Copies of medical bills are not sufficient documentation to support an exception to the drop deadline.

Examples of acceptable documentation for other situations include:

- Copy of obituary or funeral program.
- Letter of support from a family member.
- Formal record confirming circumstance of disaster.

Documentation must provide a date (or dates) that can confirm the time-frame for which the appeal has been submitted.

Students who are approved to have a class or classes dropped because of documented extenuating circumstances after the last day to drop, will receive a “W” in the dropped courses and may appeal for a prorated/partial refund for tuition and room and board (upon proper checkout), but not for nonrefundable fees or charges.

Requests for exceptions to the drop deadline will be considered by a committee appointed by the Provost, including the Dean of Students and Registrar (or their appointed designees). Final appeals may also be considered by the Provost or President of the University.

## Procedures for Exceptions

To request an exception to the drop policy, print and complete a Drop Exception Appeal Request form, and submit along with a letter of explanation and supporting documentation as listed above to the Office of the Registrar.

Office of the Registrar
Carrington 320
Missouri State University
901 S. National Ave.
Springfield, MO 65897
Phone: 417-836-5520
Fax: 417-836-6334
Email: Registrar@missouristate.edu

# Class Disruption

*Op3.04-11 Class Disruption*

The course instructor has original jurisdiction over his/her class and may deny a student who is unduly disruptive the right to attend the class. The student is expected to comply with all reasonable directives of the course instructor. The course instructor may have a student administratively withdrawn from a course upon showing of good cause and with the concurrence of the department head. The appeals process in case of such administrative withdrawal shall be as stated in the Grade Appeals and Academic Grievances policy.

# Classification

*Op3.04-12 Classification*

Undergraduate degree-seeking students are classified according to the number of credit hours earned, as follows: freshmen = 0 – 29.99; sophomores = 30 – 59.99; juniors = 60 – 89.99; seniors = 90+. Other undergraduate classifications include precollege and nondegree-seeking. Graduate classifications include graduate masters, graduate specialist, doctoral, and post-baccalaureate (nondegree-seeking).

# Commencement

*Op3.04-13 Commencement*

Students who wish to participate in commencement ceremonies must do so according to the following protocol:

- spring semester graduates must participate in the spring ceremony,
- summer semester graduates, because there is not a summer ceremony, may choose to participate in either the preceding spring or following fall ceremony, and
- fall semester graduates must participate in the fall ceremony.

Students who wish to participate in a ceremony prior to their semester of graduation (except summer graduates who wish to participate in the preceding spring) may appeal to the Associate Provost for Student Development and Public Affairs (undergraduate students) or Associate Provost and Dean of the Graduate College, (graduate students). If approved, the listing of their names in the commencement program will remain in the semester of graduation.

Students who complete a University certificate program will receive a "certificate of completion." These students will not be recognized at the commencement ceremonies.

Commencement information is available on the commencement website.

# Family Educational Rights and Privacy Act (FERPA)

*You need Adobe Reader to view and print documents on this page.*

## What is FERPA?

FERPA is the Family Educational Rights and Privacy Act and is a federal law that was enacted in 1974. FERPA protects the privacy of student education records. All educational institutions that receive federal funding must comply with FERPA.

## Why should I care about FERPA?

If you're a student, it's important for you to understand your rights under FERPA. If you're a parent, you'll need to understand how the law changes once your student enters a post-secondary institution. If you're a University employee, you'll need to understand what information can and cannot be released, and the appropriate procedures for release of student information.

## What are students' rights under FERPA?

Eligible students have four primary rights under FERPA including the right to:

1. inspect their education records,
2. consent to disclosure of personally identifiable information except to the extent that FERPA authorizes disclosure without consent,
3. seek correction of their records, to prevent inaccurate or misleading information, and
4. file a complaint with the U.S. Department of Education if they feel their rights are being violated.

## Do parents have any rights under FERPA?

In primary and secondary educational institutions (i.e. K-12), all FERPA rights belong to the parent. However, when the student reaches the age of 18 ***or*** begins to attend a post-secondary institution ***regardless of age***, all FERPA rights transfer to the student.

### *Where can I find more information about FERPA?*

- The entire Missouri State Student Rights (FERPA) Policy is available in the University Policy Library.
- Many questions are addressed in the FERPA Frequently Asked Questions. Contact the Office of the Registrar, Carrington Hall, Room 320, 417-836-5520, if you have any additional questions.
- A FERPA online training program is available to all University employees in My Missouri State → Profile Tab → Professional Development Channel → My Learning Connection.
- More information is available on the U.S. Department of Education's FERPA website.

## FERPA forms

- The FERPA Hold-Request to Prevent Disclosure of Student Information form is used by currently enrolled students to request that the University not release any "directory information".
- The FERPA Removal form is used to rescind a FERPA hold.
- The People Search website is the University's official directory of students, faculty, and staff. A request to exclude information from People Search may be completed by currently enrolled students at http://search.missouristate.edu/hide/. To be removed from anything other than People Search, including the Outlook Address Book, a FERPA hold must be completed. Read more about People Search and your options regarding display of your information.
- The Release of Information Authorization form is used by students to authorize the University to disclose education records that are otherwise protected under FERPA.
- The Letter of Recommendation Authorization form is used by students to authorize a University employee to include personally identifiable information (such as grades, GPA, etc.) in a letter of recommendation.
- Acknowledgement of Confidentiality Regulations

## FERPA Contact List

- Dr. Rob Hornberger - Registrar
- Ms. Rebecca Harbaugh - Associate Registrar-Operations

- Mr. Donald Simpson - Associate Vice President for Enrollment Management
- Dr. Thomas Lane - Associate Vice President for Student Life & Dean of Students
- Ms. Rachael Dockery - General Counsel

# Credit for Military Education and Experience

*Op3.04-50 Credit for Military Education and Experience*

Missouri State University grants credit for armed service education and training according to the recommendations of the American Council on Education (ACE) as stated in "A Guide to the Evaluation of Educational Experiences in the Armed Services." No limit exists on credit awarded in this category.

Credit is also awarded for military experience based on ACE guidelines. Credit for military experience is limited to a total of 30 credit hours and a maximum of 6 credit hours in any one discipline.

Undergraduate credit for military education and experience is generally awarded consistent with the Undergraduate Transfer Credit Policy. Initial equivalencies are determined by the Office of Admissions, while the final authority for equivalencies rests with the head of the appropriate academic department at MSU. Some credit for military experience and/or education may be deemed applicable to general education requirements though not equivalent to a specific MSU course.  All credit is awarded with a “Pass” grade equivalent.

Graduate credit for military education and experience is awarded in a manner consistent with the Graduate Transfer Credit Policy and as such may not exceed 30% of the requirements for a given program.

To be considered for credit, students should request that an official copy of their Joint Services Transcript (JST) or Community College of the Air Force (CCAF) transcript be sent directly to the MSU Office of Admissions.

Veteran and current members of the military should also refer to the Prior Learning Assessment for information regarding credit for DANTES Subject Standardized Tests (DSST), College Level Examination Program (CLEP) and other credit by examination programs.

# Credit Hours and Semester System

*Op3.04-16 Credit Hours and Semester System*

The unit of credit used at Missouri State is the semester hour. The University follows the semester system in which the academic year is divided into two instructional semesters with each having 15 weeks of instruction plus a final examination period, and an 8 week summer session. Additional instructional periods such as intersession, blocks, sessions, short, and extended class periods are offered. The amount of credit hours awarded for courses is based upon the instructional time and the type (lecture or lab) of course. Lecture courses meet the equivalent of 50 minutes (in addition to two hours of out-of-class student work time) per week for 15 weeks (or 750 minutes total) for one semester hour of credit. Laboratory and studio courses meet for the equivalent of 100 minutes (in addition to one hour of out-of-class student work time) per week for 15 weeks (or 1500 minutes total) for one semester hour of credit. Courses which include both lecture and laboratory type meetings will utilize the appropriate combination of the above guidelines; as will all courses taken for credit, regardless of length.

Whereas courses taught with an online/blended format may not have specific seat time expectations, they maintain comparable quality and student learning outcomes.

College courses taught in a shorter period of time than regular semester courses described in this catalog shall meet the same number of hours for both lecture and laboratories as required if offered on a semester or summer session basis. Laboratory sessions and activity-type courses which are primarily characterized by hands-on, experimental, and skill-building activities shall be in session 30 clock hours for each hour of credit. Workshop courses may vary, depending on the situation. Some workshops fall into the hands-on, activity-type category while others are structured primarily as lecture classes taught in a more intensive, abbreviated format.

Some courses include "clinical" contact hours which represent the number of hours per week the course will meet in clinical experiences outside the classroom (i.e., nursing, physical therapy, etc.). Normally clinical hours will require three or more hours per week per hour of credit.

Courses with no standard lecture or laboratory contact hours indicate class time is spent outside the normal classroom environment (i.e., field study, internships, practicums, research, service learning, supervised teaching, thesis, etc.). The number of contact hours is determined by agreement between instructor and student.

# Dean's List

*Op3.04-17 Dean's List*

A Dean’s list is prepared at the end of each semester listing the names of undergraduate degree-seeking students who earned at least 12 hours of graded credit in the fall or spring semester or 6 hours of graded credit during the summer session, with a semester grade point average of 3.50 or better. Note: Courses taken or graded Pass/Not Pass and audited courses will not count toward the total semester hours required for eligibility.

Refer to the University Communications website for more information on release of graduation lists, dean's list, and scholarship lists.

# Declaring or Changing a Major

*Op3.04-18 Declaring or Changing a Major*

If you are interested in declaring or changing a major, it is recommended that you first visit the department of the major to learn more about the program, including any admission requirements (if required).

- When you have confirmed your plans to declare or change a major, please contact the Academic Advisement Center in University Hall 109 to have the change processed on your record. It is recommended that you visit the office in person. The Academic Advisement Center will continue to accommodate phone and email requests from departmental advisors and representatives regarding major changes for students. If you are a newly admitted student and have not yet registered for classes, contact the Office of Admissions at 417-836-5517 for major changes.
- If you wish to declare or change to a major or minor in the College of Business, please contact the Business Advisement Center in Glass 276. It is recommended that you visit the office in person.
- If you wish to add a second major, you should contact the department of the major as indicated above.
- If you wish to add a minor, please visit the Academic Advisement Center in University Hall 109.

***If you have any questions about declaring or changing a major, contact the Academic Advisement Center at 417-836-5258.***

## Admission to degree program

Some majors have specific admission requirements. If you declare or change to a major with admission requirements, you will initially be placed in a "pre-major." When you have fulfilled all of the requirements for admission to the program, the department will instruct the Office of the Registrar to update your record to show that you are admitted to the major.

# Degree Audits

Degree audits are designed to assist the student, advisor, and University in tracking student progress toward completion of all applicable degree requirements. This degree audit report matches completed, in-progress, and registered courses with all requirements of a specified degree program to determine which requirements have or will be met and which requirements are deficient or not yet completed. The degree audit will then list what is needed to complete the requirement. The degree audit is designed to be used as an advisement tool. Final confirmation of degree requirements is subject to University approval.

All admitted and currently enrolled undergraduate degree-seeking students may view their degree audit through the My Missouri system provided they have been assigned a BearPass Number.

# Degree Program

*Op3.04-20 Degree Program*

A degree program consists of a major, a minor (required for non-comprehensive majors under the Bachelor of Arts and Bachelor of Science degrees), and the applicable requirements associated with the degree (see the General Baccalaureate Degree Requirements section of this catalog). Students completing multiple majors in the same degree are considered to have only one degree.

Students must be admitted to a degree program before completing ***75 credit hours*** or a hold will be placed on their record and they will not be allowed to register. Entering first-time students are required to complete GEP 101 (or UHC110 for Honors College students) in their first semester. Students are strongly encouraged to complete COM 115, ENG 110 and a Quantitative Literacy course within their first 30 hours, and are required to do so prior to earning ***75 hours***.

To be admitted to a program of study that has admission requirements, students should first contact their advisor and then the departmental office of the major.

## Application to Degree Program form

Download Application to Degree Program form

**Note:** This form is only necessary when a student is seeking admission to a major that has specific admission requirements. Students declaring a major that does **not** have admission requirements, or declaring a minor, are automatically admitted to their major/minor in the semester it is declared and, therefore, this form is not required.

# Diploma

*Op3.04-21 Diploma/University Certificate*

The diploma/certificate is provided to students approximately four to six weeks after the end of the semester of graduation if all graduation requirements have been met. Any hold preventing the release of a student's transcript will also prevent the release of a student's diploma/certificate.

The diploma lists the degree earned, major(s), and the scholastic honors attained at the end of the semester of graduation. Options within majors and minors are not recorded on the diploma but are on the transcript. Students completing multiple majors in the same degree in the same semester will only receive one diploma listing all majors.

The certificate lists the level (undergraduate or graduate) and the name of the program of study.

The student name listed on a diploma or certificate must match a name on file in the University's student information system, which will be available to select in the application to graduate process. Information on adding or changing a name in the system is available in the Change of Student Legal Information and Status Policy.

All reissued diplomas and/or certificates produced on or after August 28, 2005 will bear the name Missouri State University.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a reissued diploma/certificate. A reissued diploma/certificate fee will be charged in accordance with the current Fee Schedule.

## Procedures for requesting reissued diploma

# Dual Enrollment

*Op3.04-22 Dual Enrollment*

## College

Current students who wish to take courses at other colleges or universities, either while enrolled or between terms, are encouraged to verify transferability of credit with the Office of Admissions prior to enrolling at the other institution. Transfer equivalencies for many Missouri colleges and universities are available on the Admissions Office web site.

## High school

Highly qualified high school seniors may be admitted under the precollege enrollment program. See Precollege/Dual Enrollment Program for details.

# Enrollment Status/Reduced Course Load Policy

*Op3.04-24 Enrollment Status/Reduced Course Load Policy*

Enrollment status may be reported to external agencies such as the National Student Clearinghouse. Audited classes are excluded when determining enrollment status. For official reporting purposes, Missouri State uses the following definitions:

**Full-Time.** Undergraduate students carrying 12 or more credit hours and graduate students carrying 9 or more credit hours in the fall or spring semester are considered full-time students. Undergraduate and graduate students carrying 6 or more credit hours during the summer session are considered full-time students.

**Three-Quarter Time.** Undergraduate students carrying 9-11 credit hours and graduate students carrying 7-8 credit hours during a fall or spring semester are considered three-quarter time students. Undergraduate and graduate students carrying 4-5 credit hours during the summer session are considered three-quarter time students.

**Half-Time.** Undergraduate students carrying 6-8 credit hours and graduate students carrying 5-6 credit hours during a fall or spring semester are considered half-time students. Undergraduate and graduate students carrying 3 credit hours during the summer session are considered half-time students.

**Less Than Half-Time.** Undergraduate students carrying less than 6 credit hours and graduate students carrying less than 5 credit hours during a fall or spring semester are considered less than half-time students. Undergraduate and graduate students carrying less than 3 credit hours during the summer session are considered less than half-time students.

## Reduced course load policy

The University complies with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. These laws mandate that the University provide academic accommodation for students with disabilities.

The purpose of the reduced course load policy is to allow for case-by-case consideration of requests that students with disabilities be considered full-time, three-quarter time, or half-time when taking a reduced course load due to their disability. Students must petition for this

accommodation each academic year. Students obtaining approval under this policy will adhere to the current fee structure of the University, but will be considered full-time or half-time and entitled to all of the services, benefits, rights and privileges of their status. Students must be enrolled in a minimum of 6 credit hours to be approved for full-time status, 4-5 credit hours to be approved for three-quarter time status, and 3 credit hours to be approved for half-time status.

Reduced course load requests, with supporting documentation, shall be submitted to the Director of the Disability Resource Center. Supporting documentation must include a diagnostic evaluation from an appropriate professional that permits evaluation of the current need for accommodation. The Director shall review potential consequences of reduced course load with the student, including slower progress toward graduation, changes in financial aid, and changes in University billing. The Director shall encourage the student to explore potential external consequences of a reduced course load, including changes in vocational rehabilitation funding and federally regulated financial aid.

The Director shall submit the student’s request, with supporting documentation, to the Office of the Provost for disposition. If the request is approved, the Office of the Registrar shall ensure that enrollment status is accurately noted on the student’s record and accurately reported.

# Final Examination Period

*Op3.04-25 Final Examination Period*

A two-hour final examination period is scheduled for each course. This final examination period is used either for administration of final examinations or for other appropriate course terminating activities. If students must reschedule final exams because of extenuating circumstances or if they have more than three finals on the same day, they should attempt to resolve their need to reschedule by contacting the instructor(s) in advance of the scheduled exam time. If this process is unsuccessful, the student may file a written appeal to the Associate Provost for Student Development and Public Affairs for assistance in reaching a satisfactory resolution.

## Fall 2017 Finals Schedule

## Spring 2018 Finals Schedule

# Grade Appeals and Academic Grievances

*Op3.04-28 Grade Appeal and Academic Grievances*

A student may request that an assigned grade be changed in accordance with the following procedures. **The change must be requested prior to the end of the semester (excluding summer) following the term in which the grade was assigned.** This process should not be used for students appealing a grade of F or XF assigned due to academic dishonesty. Refer to Academic Integrity Policies and Procedures and to the Student Academic Integrity Policies and Procedures document.

Student evaluations and assignments of final course grades are the responsibility of the faculty. The faculty member is accountable for any and all grades assigned to students; therefore, each faculty member shall maintain records to support student evaluations and grades.

Students who have reasons which can be substantiated to request grade changes must:

1. write a formal letter to the instructor (or to the appropriate department head if the instructor is no longer on campus) requesting a re-evaluation of their performance in the course; and
2. provide the following information in the letter: name and BearPass Number; course number, title, and section; semester and year taken; name of instructor; and a clear statement of the grade change request and reasons which justify the request.

Faculty members, upon receipt of a student's request for a grade change, will review their records. If it is determined that a student's request is justified, the faculty member will prepare a Grade Change Authorization and submit it to the department head, who will forward it to the Office of the Registrar. If the grade change is in a course taken for graduate credit, the department head must also notify the Graduate College. **A faculty member may not change an F grade to a W grade in those cases in which the student did not follow the proper procedures for dropping the course.**

The student can appeal a negative decision of a faculty member. The steps in the appeal process are as follows:

1. present the appeal first to the faculty member’s department head;

2. then to the college dean;
3. next to the Dean of the Graduate College, if the appeal is in a course taken for graduate credit;
4. then to the Provost, who may refer the appeal to his/her designee for a hearing and recommendation;
5. finally, to the President of the University.

At any step of the appeals process, any of the above individuals can authorize a grade change, and must notify the involved individuals of their action (i.e., the department head must notify the student and the faculty member of his/her decision; the college dean must notify the department head, faculty member, and student of his/her decision; the Graduate Dean, in the case of a graduate course, must notify the college dean, department head, faculty member, and student; the Provost or designee is responsible for notifying the college dean, department head, faculty member, and student of his/her decision. If the request for grade change is appealed to the final step, the President will take action deemed appropriate and so inform the Provost, college dean, department head, faculty member, and student. It is solely the student's responsibility to appeal in the order specified at each step of the process, and the student may halt the appeal at any step.

To appeal an attendance-related grade reduction, the appeal process that is part of the Attendance Policy must be followed. That appeal process can be found in the section describing the Attendance Policy.

## Requests for grade changes made after an extended period

Appeals for changes in a student's academic record that are not made within one semester (excluding summer) of receipt of grades must be submitted to the Office of the Provost. Those appeals with documented exceptional circumstances will be considered on a case-by-case basis by the Scholastic Standards and Revision of Records Committee, and the committee will make its recommendation to the Provost.

## Grade re-evaluation based on exceptions to University policy

In those cases in which the grade received by the student is the result of the University policy (e.g., an F resulting from failure to remove an Incomplete grade in the time allowed or failure to officially drop a course) rather than a faculty member's evaluation of performance in a course, the student's written appeal must be directed to the Office of the Provost within one calendar year of receipt of grade(s). Such appeals will be considered by the Scholastic Standards and Revision of Records Committee, and the Committee will make its recommendation to the Provost.

This process should not be used for students appealing a grade of F or XF assigned due to academic dishonesty. Refer to Academic Integrity Policies and Procedures and to the Student Academic Integrity Policies and Procedures document.

## Failure to satisfy academic standards of university, college or department

The University's colleges and departments have authority to set standards for admission of students to their programs or may deny enrollment for failure to satisfy academic standards or course/program prerequisites, even though no violation of disciplinary standards is involved. Except to the extent that cheating or plagiarism is involved, such standards are beyond the primary scope of this document. The University *Undergraduate Catalog* and/or *Graduate Catalog* and relevant advisement centers or deans' offices should be consulted for academic standards and for the process of requesting a waiver(s) or appeal(s) of a decision(s) involving those standards.

## Financial aid or scholarships

For disputes related to the awarding or renewal of financial aid or scholarships, the student should consult the Financial Aid Office or the particular college or department under which the award is granted to ascertain the appropriate channel of inquiry. Also the student should obtain a copy of the scholarship eligibility criteria. Such disputes can be referred for appellate review only upon the recommendation of the Vice President for Student Affairs or the Provost or their designee. Where the grounds for denial of a scholarship or financial aid involves academic dishonesty, the matter should follow the procedure described for "Academic Dishonesty by Student Enrolled in a Course."

## Procedures

Students who wish to submit an appeal for a grade re-evaluation based on exceptions to University policy as described above should review the guidelines for submitting an appeal to the Scholastic Standards and Revision of Records Committee.

# Grade Point Average

*Op3.04-29 Grade Point Average*

Undergraduate and graduate grade point averages are maintained. A student's Missouri State grade point average is based only on courses completed at Missouri State. A combined grade point average, based on work completed at Missouri State and in transfer, is also maintained by the Office of the Registrar. This combined grade point average is used in determining a student's academic standing and eligibility for graduation and scholastic honors at graduation. Refer to the sections on "Academic Status" and "Scholastic Honors" as well as the individual degree and program descriptions for more details on grade point average requirements.

Grade point average is calculated by dividing the total quality points earned by the total credit hours attempted. The semester grade point average is calculated by dividing the quality points earned for the semester by the credit hours attempted for the semester. See "Grading and the Credit Point System" and "Repeat Policy" sections for more details on grade point average calculation. The grade point average of graduate and post-baccalaureate students is based only on graduate level courses (those numbered 600 and above). If a graduate student enrolls in undergraduate courses, grades earned in those courses will be included in the calculation of the undergraduate grade point average.

# Grading and the Credit Point System

*Op3.04-31 Grading and the Credit Point System*

**Note:** This version of the policy is **effective August 21, 2017**. Contact the office of the registrar for the version in effect through August 20, 2017.

Faculty are required to provide final grades for all classes and mid-semester grades for 100 and 200 level full-semester courses each semester. (Faculty have the option of providing mid-semester grades for other full-semester courses as well). Final and mid-semester grade reports are available to students online. Grades are awarded to indicate the quality of a student's work and are assigned as follows. Transfer grades begin with a "T" and are listed next to the MSU equivalent grade in the chart below.

| Grade MSU / Transfer Equivalent | Interpretation | Counts in Credit Hours Earned | Grade or Quality Points Per Credit Hour | Counts in GPA Hours (used to calculate GPA) |
|---|---|---|---|---|
| **A / TA** | **Outstanding work.** *Outstanding achievement relative to the level necessary to meet course requirements. Performance was of the highest level. Excellence while meeting course objectives was sustained throughout the course. Not only was the student's performance clearly and significantly above satisfactory, it was also of an independent and creative nature.* | Yes | 4.00 | Yes |
| **A- / TA-** | **Excellent work.** *Excellent achievement relative to the level necessary to meet course requirements. Performance was clearly and significantly above satisfactory, and was creative and independent.* | Yes | 3.70 | Yes |
| **B+ / TB+** | **Near excellent work.** *Achievement was significantly above the level necessary to meet course requirements. Performance was clearly and significantly above satisfactory, and was creative and independent.* | Yes | 3.30 | Yes |
| **B / TB** | **Very good work.** *Achievement significantly above the level necessary to meet course requirements. Performance was very good, although not of the highest level. Performance was clearly and significantly above satisfactory fulfillment of* | Yes | 3.00 | Yes |

| | | | | |
|---|---|---|---|---|
| | *course requirements (For undergraduate students: B = meritorious; For graduate students: B = adequate).* | | | |
| **B- / TB-** | **Good work.** *Achievement at a level just above that necessary to meet course requirements. Performance was notable.* | Yes | 2.70 | Yes |
| **C+ / TC+** | **Slightly above satisfactory work.** *Achievement that meets the course requirements. Performance was slightly more than adequate.* | Yes | 2.30 | Yes |
| **C / TC** | **Satisfactory work.** *Achievement that meets the course requirements. Performance was adequate, although marginal in quality (For undergraduate students: C = adequate: For graduate students: C = inadequate).* | Yes | 2.00 | Yes |
| **C- / TC-** | **Slightly below satisfactory work.** *Achievement that barely meets the course requirements. Performance has been slightly below satisfactory and was marginal in quality. A C- will not fulfill a prerequisite of a C or better on any course, nor will it meet a C or better requirement on a major.* | Yes | 1.70 | Yes |
| **CR / TE** | **Credit by Prior Learning Assessment.** *Student receives credit for the course from credit by assessment or examination. Prior to fall 2017 such credit was recorded with a grade of P or TP.* | Yes | 0.00 | No |
| **D+ / TD+** | **Passing work.** *Achievement below satisfactory in meeting course requirements. Student demonstrated below satisfactory achievement in meeting course objectives, yet fulfilled a sufficient enough portion of the course objectives that repeating the course is not necessary unless required by the academic unit.* | Yes | 1.30 | Yes |
| **D / TD** | **Minimum passing work.** *Achievement barely worthy of credit. Student demonstrated unsatisfactory achievement in meeting course objectives, yet fulfilled a sufficient enough portion of the course objectives that repeating the course is not necessary unless required by the academic unit.* | Yes | 1.00 | Yes |
| **F / TF** | **Failed – no credit.** *A failure to meet course requirements. The work of course objectives were either: 1) completed but not at a level of achievement that is worthy of credit, or 2) have not been completed and there was no agreement between the instructor and the student that the student would be awarded an "I" (incomplete).* | No | 0.00 | Yes |
| **I** | **Incomplete.** *Grade assigned when due to unusual circumstances a small portion of a course, such as a term paper or final examination, has not been completed. (Refer to Incomplete Grade policy for more information.)* | No | 0.00 | No |
| | | | | |

| | | | | |
|---|---|---|---|---|
| **IP** | **In Progress course.** | No | 0.00 | No |
| **NG** | **Grade Not Yet Available/Extended Course.** *Grade assigned for extended course which has not yet ended.* | No | 0.00 | No |
| **NP / TT** | **Not Pass.** *Student did not pass the course under the Pass/Not Pass policy.* | No | 0.00 | No |
| **NR** | **Grade Not Yet Reported.** *Grade not submitted by instructor on time.* | No | 0.00 | No |
| **P / TP** | **Pass.** *Student passed the course under the Pass/Not Pass policy. Prior to fall 2017, credit by prior learning assessment was recorded as P or TP. Credit by prior learning assessment awarded after fall 2017 is recorded with a grade of CR or TE.* | Yes | 0.00 | No |
| **V** | **Visitor.** *Student completed the course under the Auditing a Course policy. No hours or points assigned.* | No | 0.00 | No |
| **W** | **Withdrew.** *Student withdrew from course without academic penalty. Prior to fall 2009 grade was recorded as an N.* | No | 0.00 | No |
| **XF/TXF** | **Failure due to academic dishonesty.** | No | 0.00 | Yes |
| **XM / XT** | **Academic Renewal.** *Grades and hours have been removed from GPA calculation.* | No | 0.00 | No |
| **Z** | **Deferred grade.** *Assigned only to students enrolled in 600-level or higher courses, restricted to graduate theses, graduate problem courses, or graduate seminars which might not be completed within a semester. Z grades not removed within four calendar years, will be changed to a W.* | No | 0.00 | No |

# Graduate Credit, Undergraduate Students Taking

*Op3.04-51 Undergraduate Students Taking Graduate Credit*

Undergraduate students have three options for taking graduate credit prior to completion of a bachelor's degree:

**Mixed Credit (Accelerated Graduate Programs):** Students admitted into an approved accelerated graduate degree program may have a limited number of 600-level or higher courses counted toward both an undergraduate and graduate degree. Before enrolling in a course to be counted as both undergraduate and graduate credit (mixed credit), the undergraduate student must be accepted into the accelerated program and receive prior approval from: 1) the Graduate Program Director, 2) the Department Head of the undergraduate program, and 3) the Dean of the Graduate College. All approvals must be completed prior to the end of the Change of Schedule Period for the course(s). Although a maximum of 12 credit hours may be taken as Mixed Credit, many programs have lower limits. See the "Graduate College" section of the catalog for further information.

**Mixed Credit (General):** Undergraduate students who meet all the admission requirements of a graduate degree or certificate program other than the completion of a baccalaureate degree may receive permission to take up to six hours of mixed (undergraduate and graduate) credit without first being admitted to a specific graduate program. In order to qualify for this credit, the student must have completed 90 or more credit hours with a minimum cumulative GPA (MSU and combined) of 3.00. Note, however, that Individual programs may have a higher required GPA. Qualified students must receive prior approval from: 1) the Graduate Program Director of the program in which the graduate course is taken; 2) the Department Head of the undergraduate major to which the mixed credit will be applied; and 3) the Dean of the Graduate College. It should be noted that permission of the Graduate Program Director of one program does not guarantee that those approved mixed credit courses can be used in a different graduate program.

**Senior Permission:** Undergraduate students who have accumulated at least 90 hours from Missouri State or another accredited institution may be permitted to take a maximum of 12 credits of 600-level or higher courses for graduate credit. Students who desire to participate in this program must receive the recommendation of the head of the department in which the course(s) are offered and the approval of the Dean of the Graduate College. To be eligible, students must have a GPA of at least 3.00 on the last 60 hours of their undergraduate course work. Students are limited to a maximum of 9 credit hours of graduate level courses and a maximum of 15 credit hours of graduate and undergraduate courses combined during a semester. Courses completed for graduate credit under

Senior Permission cannot be applied toward the undergraduate degree. Graduate credit earned under Senior Permission may be applied toward a graduate degree or certificate program contingent upon approval of the Graduate Program Director.

The Graduate College and the Office of the Registrar are responsible for developing and administering procedures for students utilizing the above options. Both offices will provide information on the procedures through their websites.

# Graduation

*Op3.04-32 Graduation*

All students must inform the University of their plan to graduate before or early in the semester of graduation by submitting an Application to Graduate. Degrees are awarded at the conclusion of the fall and spring semesters. Students who are not eligible for graduation in their original semester of intended graduation must reapply for a future graduation semester. Graduation dates will not be backdated in the event that a student fails to apply to graduate.

# Holds

*Op3.04-23 Holds*

A hold may be placed on a student's record for a variety of reasons such as an unpaid bill or fine, failure to return books or equipment, or failure to be admitted to a degree program within the specified time limit. Most holds will prevent a student from registering for upcoming semesters and the release of a student's transcript and diploma.

See Hold Codes for contact information.

# Incomplete Grade

*Op3.04-33 Incomplete Grade*

An incomplete (or "I" grade) indicates that due to unusual circumstances a small portion of a course, such as a term paper or final examination, has not been completed. If a student is unable to complete a significant part of a course, and the drop deadline has not passed, the student may drop the course and repeat it. Otherwise, a letter grade based on the work completed should be assigned per the course's grading scale. Assigning a "W" grade is not an option available to the instructor.

In each instance where an "I" grade is assigned, the instructor of the course shall, at the end of the semester in which the "I" grade is given, indicate on the Assignment of Incomplete Grade form what the student must do to complete the course and how the completed work would affect the final grade. The original copy must be filed with the appropriate department office, one copy must be given to the student, and one copy must be retained by the instructor. Students should not re-register in the course to resolve the incomplete grade. If a student re-enrolls in a course for which they have an outstanding "I" grade, the "I" grade will be changed to an "F" grade after grading has been completed for the semester of the repeat attempt and the repeat policy will apply.

An "I" grade must be removed within one calendar year after it is received, or earlier as specified by the instructor, otherwise the "I" grade automatically becomes an "F" grade. An extension of the time limit to remove an "I" grade will be made only if a written request for such extension is submitted to the Office of the Registrar by the instructor. The student should make arrangements with the instructor or the department head for completion of the work. When the work is completed, the instructor will complete a Grade Change Authorization Form online or send a Form to the Office of the Registrar for processing. The grade may be changed from an "I" grade (or from an "F" grade if the automatic change has already occurred) to the appropriate grade earned.

**Members of the military** (undergraduate or graduate) who re-enroll within one year of being released from military assignment shall have one year from the date of resumption of coursework at Missouri State to remove any "I" grades pending at the time of mobilization or received as a result of mobilization.

**Graduating Seniors** who have incomplete grades in any course used to satisfy a graduation requirement must resolve those incomplete grades by the middle of the following semester (summer for spring graduates, fall for summer graduates, and spring for fall graduates) or they will

not graduate that semester and must reapply for a future semester of graduation.

# Instructor Drop

*Op3.04-34 Instructor Drop*

If a student does not attend by the second class meeting of a semester or summer session, and has not informed the departmental office of the intent to remain in the course, the instructor may institute proceedings to drop the student from the class. This should only be done when the space is needed for another student. A faculty member may not institute drop proceedings after the third week of class. **A student cannot drop a class merely by not attending.** The student who is dropped by the instructor will be notified of such action by the Office of the Registrar.

# Intersession

Intersession classes are considered to be part of the following semester for purposes of admission, financial aid, registration, overloads, grading, scholastic action, and graduation. Fall Intersession is part of the Fall semester; Winter Intersession is part of the Spring semester; and Summer Intersession is part of the Summer Session.

# Student Legal Information and Status

*Op3.04-35 Change of Student Legal Information and Status*

Students may change legal information such as name, marital status, social security number, date of birth, sex, guardianship (parent or legal guardian) or citizenship status by submitting suitable legal documentation along with the Change of Student Information form to the Office of the Registrar.

Suitable legal documentation consists of documents required by the State of Missouri to make the requested change and will vary depending on the information sought to be changed and could include, but is not limited to: driver's license, official state ID card, Social Security card, certified copy of marriage license, court order from a court of competent jurisdiction, current passport or official proof of identity certified by the U.S. embassy abroad or by the appropriate foreign embassy in the United States.

When academic records are maintained on microfilm, the student's name cannot be updated on the microfilm. Students who last attended Missouri State University before 1985 have microfilm records. A Change of Student Information form is available online.

Students are expected to keep addresses, phone numbers, personal email addresses, and emergency contact information up-to-date. The Change of Student Information form is not intended to update a student's contact information or emergency contact. Updates to students' contact information or emergency contact must be done through the Change of Student Contact Information form.

All current and previous names, addresses, phone numbers, and email addresses are permanently maintained as part of the student's record.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a student information change.

# Policy for Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders

*Op3.04-48 Policy for Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders*

In keeping with our commitment to serving military members and their families, Missouri State University has developed the below policies which will apply to service members as well as spouses and children of mobilized service members.

Whenever possible, normal procedures for dropping all classes (withdrawing) should be followed (see Op3.04-10 – Change of Schedule [Add/Drop]). However, if a student is unable to follow these procedures due to special circumstances the University will accept documentation from a family member of the student. Appropriate documentation (such as orders) must be provided at time of drop.

## Refunds

- **Tuition/Fees**. Students who drop one or more classes during a semester due to required military service will receive a 100% credit on their account for their tuition and student service fees (supplemental fees will not be refunded) at the time of the drop regardless of regular refund schedule.
- **Parking**. If required military service occurs prior to finals and the student must drop all classes a full refund of parking fees will be credited to the student's account for that semester. If required military service occurs after finals and the student has purchased an academic year pass a full refund for the future semesters charges will be credited to the student's account. Veteran Student Services will notify Parking Administration upon request from student at time of drop for refund to student account.
- **Books.** Students who must drop all classes may receive a full refund for text books purchased at the University Bookstore. Students must request a letter from Veteran Student Services confirming military drop which should be presented to the bookstore along with the books for full refund.

**Housing.** Students who must drop all classes may receive a prorated refund for housing based on the actual number of days room and board was used prior to drop. Veteran Student Services will notify Residence Life and Services upon request from student at time of drop for refund to student account.

## Grading

Should students be mobilized at such a point in the semester that the course instructor believes that they have completed a majority of the material in their class, the instructor may assign a passing grade or initiate an “I” grade. If a passing or “I” grade is not assigned, the student will receive a W grade, even if the withdrawal took place after the last day to drop or withdraw deadline. Students will receive a 100% refund only for those classes that are officially processed as a withdrawal.

## Other

Graduate students who drop all classes and have assistantships can expect their stipend to end effective the day of the drop.

**All other withdrawal policies indicated in Op3.04-10 apply to military students/dependents as they do for any other student.**

# Overload Permission

*Op3.04-36 Overload Permission*

Permission must be obtained for hours taken over the maximum allowed as per the student's level. Courses for which a student is enrolled on an audit basis are counted in hours for an overload.

## Undergraduate students

**Maximum*:** 18 hours for fall or spring semesters. Maximum of 10 hours for summer sessions. Upon the recommendation of their advisors, students who have a 3.00 or higher GPA for a semester in which a minimum of 15 hours is carried may request permission for an overload from the dean of their college.

**Obtain overload permission from:** Dean of college of student's major. If major is undecided, then Associate Provost for Student Development and Public Affairs.

## Graduate students

**Maximum*:** 16 hours for fall or spring semesters. Maximum of 10 hours per summer sessions. Also, Post-baccalaureate students (excluding those seeking teacher certification) may not enroll in more than nine total hours of graduate-level courses including completed, in-progress, and registered without permission from the Dean of the Graduate College.

**Obtain overload permission from:** Dean of the Graduate College.

## Precollege students

**Maximum*:** Nine hours for fall or spring semesters; six hours for summer semester.

**Obtain overload permission from:** If enrolled in the high school based (dual credit) Program, obtain permission from The Extended Campus. If enrolled in the campus based (dual enrollment), obtain permission from the Associate Provost for Student Development and Public Affairs.

* Hours for fall include fall intersession; hours for spring include winter intersession; hours for summer include summer intersession

## Procedures

Download Overload Permission Form

- Take form to the appropriate administrator as noted on the form for approval.
- Once approved, bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8:00 a.m. to 5:00 p.m. and Thursday from 9:00 a.m. to 5:00 p.m.; or
- Fax to 417-836-6334; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897

# Pass/Not Pass Grading Option

*Op3.04-37 Pass/Not Pass Grading Option*

The Pass/Not Pass grading option is intended to provide students an opportunity to pursue specialized or outside interests without penalty or reduction of grade point average. It allows students a greater degree of participation in those courses than the audit system permits. Students earning a passing grade in courses for which they were enrolled on a Pass/Not Pass basis are given a “P" grade; those failing will receive a grade of “NP”. Pass and Not Pass grades are not used in calculating grade point averages. To place a course on Pass/Not Pass, students must complete a form in the Office of the Registrar, Carrington Hall 320, any time prior to the “W” grade deadline for that course.

**Caution:** Prerequisite requirements of other courses may not be met with a course completed on a Pass/Not Pass basis. The decision to take a course on a Pass/Not Pass basis cannot be reversed.

Students may take courses on a Pass/Not Pass basis under the following conditions:

1. Courses taken under the Pass/Not Pass option cannot be used to satisfy general education, major, minor, professional education, or specific degree requirements. Courses taken under the Pass/Not Pass option can be counted towards the 125 minimum credit hours and 40 hours of upper-division credit hours (as applicable) required for completion of a baccalaureate degree unless otherwise restricted.
2. Honors classes cannot be taken on a Pass/Not Pass basis.
3. The Pass/Not Pass option is not available as a choice to graduate students for graduate-level courses (600 or above). Departments may elect to offer certain non-didactic graduate courses (e.g., readings, special problems, independent study, clinical internships, research and thesis) on a Pass/Not Pass only basis.
4. Courses which are graded Pass/Not Pass only are exempt from the limitations otherwise imposed upon students by Pass/Not Pass regulations.

## Procedures

Download Pass/Not Pass Request Form

- Bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8:00 a.m. to 5:00 p.m. and Thursday from 9:00 a.m. to 5:00 p.m.; or
- Fax to 417-836-6334; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897

# Posthumous Degree

*Op3.04-52 Posthumous Degree Policy*

A degree may be posthumously awarded on behalf of a deceased student if the following conditions are met.

- The student was enrolled at the University within the 12 months preceding their death.
- The student was in good academic and disciplinary standing with the University.
- Undergraduate students must have completed at least 90 credit hours toward a degree at Missouri State and made significant progress in their major.
- Graduate students must have completed at least two-thirds of the requirements toward a degree at Missouri State.
- The request was received within two years of student's death.

Requests for exceptions to the conditions above must be approved by the Degrees Committee.

The posthumous degree must be approved by the dean of the college from which the degree is being awarded, the Provost (or designee), and the President (or designee).

The procedures for implementation of this policy will be developed and administered cooperatively by the Office of the Provost and Office of the Registrar.

## Posthumous Degree Procedures

Initial recommendation of a candidate for a posthumous degree may be made by a family member of the deceased student or by the appropriate department of the faculty to the Dean of the candidate's college.

To be eligible for a posthumous degree the following conditions must be met:

- The student must have been enrolled at the University within the last 12 months
- The student must be in good standing with the University

- Undergraduate students must have completed at least 90 credit hours toward a degree at Missouri State and made significant progress in their major

- Graduate students must have completed at least two-thirds of the requirements toward a degree at Missouri State

If the Dean approves the recommendation, the Dean will be responsible for contacting the student's family to ascertain the family's wishes.

Upon Dean's approval, the recommendation is routed to the Provost for approval and then to the President for approval. Approved recommendations should be forwarded to the Office of the Registrar for processing.

If deadlines allow, the student's name will be printed in the commencement program. If the family wishes, a designated member of the student's family may participate in the commencement ceremony and receive the diploma. The designated family member will not be allowed to wear academic regalia.

Appropriate transcript comments will be posted and the posthumous degree will be recorded by the Registrar.

The diploma and final transcript will be mailed to the student's family.

# Prerequisites

*Op3.04-38 Prerequisites*

The student is responsible for having the appropriate prerequisites prior to enrollment in a course. Prerequisites are indicated in the University Catalog and the web class schedule and will be enforced at the time of registration. If any academic department determines that a student does not have the appropriate prerequisites for a course, registration for the course *may* be cancelled either prior to or after classes begin. Any questions concerning the prerequisites should be answered by consulting the current catalog or by contacting the academic department offering the course.

# Prior Learning Assessment

*Op3.04-14 Prior Learning Assessment*

**Note:** This version of the policy is **effective August 21, 2017**. Contact the office of the registrar for the version in effect through August 20, 2017.

The University recognizes that students may attain college-level competencies through a variety of extra institutional means, including rigorous high school curricula, professional or military experience, corporate training, and self-directed learning. The systematic evaluation of such competencies against established course learning outcomes is known as prior learning assessment (PLA).

Academic departments determine the specific procedures they utilize to grant course credit, course waivers, or prerequisite overrides and determine the scores or outcomes required for such consideration. Credit for prior learning may be granted on the basis of institutional assessment procedures developed by departments or through external examinations, such as Advanced Placement, CLEP, and IB tests. In the case of internally developed and administered PLA protocols, departments may collect the assessment administration fee stipulated in the current fee schedule.

Departments offering PLA options for their courses must make the following information available on their websites: a list of the courses (course code and number) for which PLA options exist; a brief description of the PLA mechanism used; basic details about the administration of the assessment (frequency, dates, times, etc.); whether an assessment fee is charged; whether students may repeat or retake an assessment; the specific scores or outcomes required to grant course credit, course waivers, or prerequisite overrides; and details about whom to contact for more information. The Office of the Provost will maintain a centralized PLA website that lists all courses with PLA options and provides links to the relevant departmental websites.

All PLA hours, whether granted through institutional assessments or external examinations, are treated as transfer credit and thus cannot be applied toward residence requirements for graduation, renewal of scholarships, or other requirements based on credit earned through the University.

No more than 30 hours of PLA may be applied to the credit hour requirement for a bachelor’s degree. For graduate degrees, no more than 49% of the required semester hours may be fulfilled

by combining senior permission (up to 12 hours), courses taken prior to admission to the program (up to 30%), transfer (up to 30%), and assessment of prior learning.

PLA hours are transcripted with CR or TE grades, indicating whether they were granted on the basis of institutional assessments or external examinations, respectively. When prior learning assessment takes place prior to initial enrollment, credit will be assigned to the first term in which the student enrolls. Otherwise, credit for prior learning will be assigned to the term in which prior learning is assessed.

Students who wish to receive credit for PLA granted by other institutions must consult with the head of the MSU department that offers courses in that area or a designee of the Office of the Provost. Such requests will be evaluated on a case-by-case basis.

Undergraduate students who wish to be considered for such approval should contact the Office of Admissions regarding the procedure. Graduate students should contact the Director of the graduate program in which the credit could apply.

## External examinations

Some departments grant course credit, course waivers, and prerequisite overrides on the basis of scores on external examinations, which include, but are not necessarily limited to, the following:

- Advanced Placement (AP)
- College Level Examination Program (CLEP)
- International Baccalaureate Program (IB)
- DANTES Subject Standardized Tests (DSST)

Students must have original (official) score reports for these examinations sent to the Office of Admissions by the testing agency to be considered for credit. For individual AP, CLEP, and IB examinations, academic departments are responsible for determining whether PLA is granted and for also determining minimum score requirements, number of credit hours, and course equivalencies.

In the case of DSST exams, the determination to grant PLA is based on American Council on Education (ACE) guidelines. Students who meet the minimum score recommended by ACE on examinations that cover subjects taught by MSU will be awarded PLA based on ACE guidelines. Academic department heads are responsible for determining whether such PLA hours will be considered equivalent to a specific MSU course or considered elective credit.

Students seeking credit for prior learning on the basis of military education and experience should consult the Credit for Military Education and Experience Policy.

To request graduate credit on the basis of external examinations, students should contact the director of the graduate program in which the credit could apply.

# Registration

*Op3.04-39 Registration*

The University allows currently enrolled, admitted, and readmitted/reinstated students to register well in advance of the beginning of each semester. Students can check their registration status online through My Missouri State. New students are informed of registration opportunities with admission materials. Evening, online and nondegree-seeking students may seek additional registration assistance through Missouri State Outreach.

Students who meet any one of the following criteria are required to obtain advisor release each semester prior to registration:

1. Undergraduate students who have earned fewer than 75 undergraduate credits. Since these are earned credits, in-progress credits do not apply.
2. Undergraduate students who have obtained fewer than three prior spring or fall advising releases.
3. Undergraduate students on academic probation.
4. Graduate students.

Students who are in good academic standing and plan to return within one calendar year under the same classification do not require readmission for registration. Students who have University holds that restrict registration are not permitted to register for any succeeding semester or summer term until such holds have been removed.

Individuals intending to participate in a class are not permitted to attend unless they are officially registered in those classes. Exceptions must be approved by the instructor and department head of the course, in consultation with the Office of the Registrar. Visitors, without the expectation of receiving class credit, may attend class sessions on a limited basis at the discretion of the instructor.

**Once enrolled, students are required to withdraw from their courses if they will not be able to attend. Failure to do so will result in failing grades and continued financial obligations. See "Procedures for Adding and Dropping Classes (and Withdrawing)" section.**

# Repeat Policy

*Op3.04-40 Repeat Policy*

A student may repeat any of the courses that he or she has taken at Missouri State University. All attempts at the course and the grades earned (including those resulting in a W, I, and Z) appear on the transcript. The grade from the most recent attempt at the course, including the repeat of a Pass/Not Pass grade with a standard letter grade, (though not a W, I, or Z) will be the one that counts in GPA calculations. For example, if a student takes the course four times and gets a P, B, C, and W, in that order, then the C would be their official grade that would be used when calculating the student's grade point average. Also, a course that has been repeated will only be counted once in the student's total credit hours earned.

This policy applies to course repeat attempts taken fall 2009 and subsequent semesters. When the most recent repeat attempt was taken prior to fall 2009, the policy published in the 2008-09 Undergraduate Catalog will be applied.

The repeat policy is applicable to transfer credit as well as credit earned at Missouri State. For example, if a student earns a C in a course at Missouri State and repeats an equivalent course at another institution, the C will be removed from the calculation of the Missouri State GPA. The transfer grade, however, will be included only in the transfer and combined grade point averages. See Grade Equivalencies in the "Transfer Credit Policy" section of the catalog for further information.

Students should also be aware that even though a course prefix, number, and/or title changes, it is still considered the same course for repeat policy purposes. The Office of the Registrar maintains the complete listing of course prefix and number changes and should be contacted for such questions.

Students should also be aware that many graduate and professional schools recalculate GPAs taking into account every grade that appears on a transcript.

Students who are receiving financial aid must consider the impact of repeating classes on their eligibility for financial aid for future semesters. While repeated courses are counted when determining a student's enrollment status and annual satisfactory progress, students who fail to progress toward graduation (i.e., by increasing total hours earned) may exhaust their aid eligibility prior to graduation.

# Scholastic Honors

*Op3.04-41 Scholastic Honors*

Special distinction is awarded to students who demonstrate high scholarship in completing a baccalaureate degree. Honors are conferred according to the requirements in effect at the time of admission into the University (or at time of readmission if the student was not enrolled for more than one calendar year).

Missouri State credit hours and grade point average include courses taken at the West Plains Campus prior to fall 1995. Courses taken at the West Plains Campus fall 1995 and after are considered to be transfer credit.

## Requirements to be met for students admitted to the University fall 2004 and beyond

1. Completion of 60 undergraduate credit hours at Missouri State, and
2. a Missouri State grade point average of 3.50 or better, and
3. a combined (Missouri State and transfer) grade point average of 3.50 or better.

Honors will then be granted based on the lower grade point average of either Missouri State or combined as follows:

- GPA of 3.50 - 3.74 — Cum Laude
- GPA of 3.75 - 3.89 — Magna Cum Laude
- GPA of 3.90 - 4.00 — Summa Cum Laude

## Requirements to be met for students admitted to the University fall 1992 through summer 2004

1. Completion of 60 undergraduate credit hours at Missouri State, and
2. a Missouri State grade point average of 3.40 or better, and

3. a combined (Missouri State and transfer) grade point average of 3.40 or better.

Honors will then be granted based on the lower grade point average of either Missouri State or combined as follows:

- GPA of 3.40 - 3.74 — Cum Laude
- GPA of 3.75 - 3.89 — Magna Cum Laude
- GPA of 3.90 - 4.00 — Summa Cum Laude

Students who meet the above GPA criteria according to the protocol below shall be honored at commencement ceremonies.

- Scholarship honors for spring and fall graduates shall be determined on the basis of their credit hour totals and grade point average(s) at the end of the semester preceding their semester of graduation (and include in-progress hours), and
- Because there is not a summer ceremony, scholarship honors for summer graduates choosing to participate in the spring ceremony shall be determined on the basis of their credit hour totals and grade point average(s) at the end of the fall semester preceding their semester of graduation (and include in-progress hours).

Students who qualify for scholarship honors shall have those honors entered on their academic record and printed on their diploma.

Questions concerning eligibility for scholastic honors should be directed to the Office of the Registrar, Carrington Hall 320, 417-836-5520.

Refer to “Dean’s List” section for further information regarding scholastic honors.

# Requesting a Transcript from Missouri State University to be Sent Elsewhere

*Op3.04-44 Transcript*

A transcript is a chronological listing of student's academic record at Missouri State University. A transcript guide is available which defines the information that appears on the transcript. A printed transcript is considered official when produced by the Office of the Registrar bearing the University Seal and signature of the University registrar. An electronic transcript is considered official when it is sent by the University through an approved electronic transmission method.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a transcript. A transcript fee and fees for special requests (e.g., overnight delivery) will be charged in accordance with the Fee Schedule. Official transcripts will not be released for students who have a University hold in accordance with the hold policy. Students with a hold may view and print their unofficial transcript via My Missouri State.

## Procedures for Requesting a Transcript

# Undergraduate Transfer Credit Policy

*Op3.04-45 Undergraduate Transfer Credit Policy*

## Introduction

Missouri State University (MSU) welcomes transfer students and endorses the "Joint Statement on Transfer and Award of Academic Credit" approved by the American Council on Education, the American Association of Collegiate Registrars and Admissions Officers and the Council for Higher Education Accreditation. Many of the principles of that statement are inherent to this policy.

## Determination of transferability

MSU awards credit in transfer for undergraduate courses completed at colleges and universities accredited by regional accrediting associations recognized by the United States Department of Education (USDE). A list of those agencies is available at www.chea.org/pdf/CHEA_USDE_AllAccred.pdf

To be accepted, coursework must have been completed at an institution after it received accreditation or during the time it was granted candidacy status for accreditation from one of the above accrediting associations

In addition, transfer credit is:

- awarded for regular academic courses taken at institutions accredited by the Association for Biblical Higher Education (ABHE). Courses such as mission, theology, doctrine, homiletics, and religious education courses are not accepted. A limited number of Bible courses (e.g., Old Testament, New Testament, Life of Christ, and Life of Paul) that are substantially similar to courses offered at MSU may be accepted. Education courses transfer only as general electives.

- awarded for courses completed at colleges and universities outside of the United States that are accredited or approved by the Ministry of Education (or other appropriate governmental agency) of the country in which they are located. Credit and placement decisions are based on recommendations of the American Association of Collegiate Registrars and Admissions Officers, NAFSA: Association of International Educators, and selected other professional organizations and agencies that evaluate foreign educational institutions.

- generally *not* awarded for courses completed at institutions not accredited or approved as indicated above. Exceptions may be approved on a course-by-course basis by the head of the department through which each similar course is offered. In the case of courses that may be applicable to general education requirements at MSU but that do not have specific equivalents, exceptions must be approved by the Provost or designated Associate Provost. Students should contact the Office of Admissions for information on the procedure.
- not awarded for remedial courses.
- awarded for graduate credit at another institution only if approved by the head of the appropriate academic department at MSU.
- not awarded for courses in vocational-technical programs or programs not offered at MSU (e.g., fire science). Exceptions may be approved for specific programs and degrees, including (but not limited to) the MSU or a Bachelor of Science with a major in Health Services, Respiratory Therapy, or Radiography. In such cases, course equivalencies and degree applicability are determined by the department head of the major
- awarded and posted to transcripts only for students who enroll at MSU subsequent to completing coursework at other institutions.

## Course equivalencies

Transfer equivalencies are based on current policies and generally reflect course numbers from the MSU catalog at the time the evaluation is conducted. MSU courses and course numbers are subject to change; thus, transfer equivalencies are subject to change as well. MSU maintains a transfer course equivalency website. Established course equivalencies for most Missouri and many out-of-state institutions are included. Current MSU students who plan to take courses at other institutions are encouraged to consult with their advisors and to confirm transferability of such courses prior to enrolling.

### Initial determination of course equivalencies

Initial determinations of transfer credit equivalencies are made by the MSU Office of Admissions through a comparison of course descriptions and/or course titles. If substantial similarity exists between a course taken at another institution and a MSU course, transfer credit will be awarded for the MSU course. If substantial similarity does not exist, but the course is in a subject matter taught at MSU under a specific subject code, elective credit will be awarded under that subject code (e.g., MTH electives for a mathematics course).

If the content of a course includes subject matter offered in more than one MSU department or if

the course description does not provide sufficient information to assign the credit to a specific prefix, general elective credit will be awarded. In some such cases, the course may be designated as applicable to a specific category of the MSU general education requirements. Elective credits awarded for upper-division courses taken at four-year colleges and universities will be designated as upper-division for transfer purposes (i.e., will apply to the upper-division credit hour requirement for graduation at MSU).

## Appeal of transferability or course equivalencies

The ultimate authority for transfer of credit rests with the head of the department through which similar courses are offered at MSU. Students who wish to appeal the initial evaluation or transferability of a course may do so through the online “Transfer Credit Reevaluation and Preapproval” system on My Missouri State through which requests are routed to the appropriate department head. This process is available only to admitted students who have conferred with an academic advisor and received an initial advisor release to register. When making an appeal, students must be prepared to provide supporting documentation (e.g., a course syllabus, course description from the other institution's catalog, examples of work).

Students who have taken courses that do not have specific equivalencies at MSU but that appear to be substantially similar to courses in the MSU general education program may appeal through the Transfer Credit Reevaluation and Preapproval system to have those courses applied to the general education program. Such appeals will be routed to the appropriate designee of the Provost for review. Students should be prepared to provide supporting documentation as indicated above.

## Credit hour equivalencies

Credit is converted to semester hour equivalents. In converting quarter hours to semester hours, a conversion factor of two-thirds is used.

If a course at another institution is offered for fewer credit hours than an equivalent course at MSU (e.g., if a three credit hour course at another institution is substantially similar in content to a four credit hour course at MSU), the student will be given transfer credit for the equivalent course at MSU but only for the number of credit hours earned at the other institution. In such cases, the student may need to take an additional course to fulfill MSU credit hour requirements.

## Grade equivalencies

Transfer grade equivalents will be determined and recorded with the student's transfer credit. Credit will be awarded for courses in which a passing grade was earned. Grades of "F" are

included in the calculation of the transfer grade point average. In all cases, transfer grades are preceded by a T (e.g., TA) on a student's MSU transcript.

Transfer grades are assigned on the basis of the MSU grading policy. Through the 2009 summer semester, MSU used a straight A, B, C, D, F grading scale. Effective with the fall 2009 semester, a plus/minus scale was implemented. For this reason, plus and minus grades are not transferred for courses taken ***prior to*** fall 2009 (so, for example, a B+ is converted to a B in calculating transfer grade point average); however, for courses taken at other institutions ***during or after*** the fall 2009 semester, +'s and -'s will be used in determining transfer grade point average. For courses taken at institutions that use combined grades (e.g., "AB"), the lower grade will be used. Courses taken at institutions that use a grading system not comparable to the MSU grading system will be evaluated with the transfer grade equivalents of Pass or Not Pass. "Withdraw failing" grades are calculated in a student's transfer grade point average as "F" grades. Failing grades assigned as a result of academic dishonesty will be so noted in transfer and treated as "F" grades.

Courses for which transfer credit is awarded that are taken at colleges and universities not accredited by a USDE approved regional accrediting agency or the ABHE will be treated as "Pass/Not Pass" courses for grading purposes. This includes courses taken through colleges or universities in other countries.

A student's grade point average at MSU is based only on courses completed at MSU. A transfer grade point average is carried as part of the student's total record. The MSU and transfer grade point average are combined into a combined grade point average. Refer to the MSU undergraduate catalog for details on how MSU and combined grade point averages are used (e.g. to determine eligibility for admission to programs, academic status, and graduation honors).

## Repeating courses

The MSU repeat policy applies to transfer credit as well as MSU credit.

## Transfer of general education requirements

MSU adheres to the guidelines set forth in ***Credit Transfer: Guidelines for Student Transfer and Articulation among Missouri Colleges and Universities***, approved by the Missouri Coordinating Board for Higher Education (CBHE) in June 2000 and revised in April 2013. Under these guidelines, students who transfer from Missouri public colleges and universities and Missouri private institutions that adhere to these guidelines will be considered as having met the MSU general education requirements if they complete:

- an Associate of Arts (AA) or an Associate of Arts in Teaching (AAT) degree; or,

- the Missouri 42 semester-hour block of general education credit; or,
- the designated general education program at the other institution, provided that the institution certifies the student's completion of that program.

MSU will also honor an AA or AAT degree from any college or university accredited by a USDE-recognized regional accrediting agency. Students with an AA or AAT degree from such an institution will be exempt from the MSU general education requirements. This is a policy of MSU and may not be recognized by other institutions to which a student may subsequently transfer.

Students with a two-year degree other than an AA or AAT (for example, an Associate of Science or an Associate of Applied Science) are not exempt from MSU general education requirements on the basis of their degrees unless approved for an exception by the Provost or designee. Such students will receive a course-by-course evaluation of their transfer credit that will indicate applicability of their courses to MSU general education requirements.

Students who have a bachelor's degree from a college or university accredited by a USDE-recognized regional accrediting agency or by the ABHE and who wish to pursue an additional undergraduate degree will be exempt from all general education requirements at MSU.

Students who have completed or been exempted from the general education requirements by any of the provisions listed above are not exempt from specific course requirements for their majors, even if those courses may be used to satisfy general education requirements at MSU.

## Special provisions regarding transfer of credit from two-year institutions

Students are generally awarded only lower division credit for courses completed at two-year institutions. Departments may approve individual courses for upper division credit on an individual basis and may require that a student complete a validation examination or course at MSU.

Professional education courses at Missouri community colleges must be approved by the Missouri Department of Elementary and Secondary Education (DESE) to be acceptable in transfer as specific equivalencies for MSU professional education courses required for the Bachelor of Science in Education or Bachelor of Music **Education** degrees. Such courses that are not approved by DESE may transfer as elective credit. Professional education courses from non-Missouri two-year institutions transfer as elective credit.

If a direct equivalency is not given by an academic department, but the College of Education decides that substantial similarity exists between a course taken at the community college with the DESE approved education program and a MSU course with respect to Missouri Standards for the

Preparation of Educators (MoSPE) standards, a code will be assigned to the transfer credit associated with the community college course that will allow it to substitute for the MSU course in a given undergraduate education degree program. Such credit is at the lower-division level unless otherwise specified.

The MSU Teacher Certification Office maintains additional information on its website.

## Transfer credit limit

No limit exists on the number of credits that may be transferred from other institutions; however, students must meet the minimum residence and upper division requirements in effect at MSU to receive a degree, as described in the MSU catalog.

## Transfer of dual credit courses

Courses taken for dual credit (courses for which students receive both high school and college credit) are evaluated in the same manner as traditional courses offered by the institution through which they are taken. No limit exists on the number of transfer credit hours that will be awarded for dual credit courses.

## Credit for experiential learning

Credit is not awarded for experiential learning unless validated through Prior Learning Assessment (see below).

## Credit for military education and experience

MSU maintains a separate policy regarding credit for military education and experience.

## Prior learning assessment

MSU maintains a separate prior learning assessment policy. Credit for institutional prior learning assessment awarded by other institutions will be evaluated in accordance with the prior learning assessment policy.

## Administration of policy and right of appeal

The Provost has delegated the authority for administering this policy to the Office of Admissions. In accordance with CBHE guidelines, students have the right to appeal decisions regarding transfer of credit. Students with questions regarding initial determinations of transferability or course

equivalencies are encouraged to contact the Office of Admissions for clarification or guidance. Initial appeals of transferability or course equivalency decisions may be submitted as outlined under the "Appeal of transferability or course equivalencies" section of this policy. Students who believe they have been treated unfairly through this level of appeal are encouraged to contact the MSU Articulation Officer, appointed by the Provost. The final level of appeal within the institution is the Provost. Students from Missouri public institutions have the right of further appeal as outlined in ***Credit Transfer: Guidelines for Student Transfer and Articulation among Missouri Colleges and Universities***. This policy is available on the CBHE website.

# General Education Program and Requirements

Every course in the program will promote a common set of General Education objectives. The major components are Foundations and Breadth of Knowledge.

- Most students will complete the General Education Program with 45 credit hours.
- Many majors and degrees require specific General Education courses. Students should review specific major and/or degree requirements before enrolling in General Education courses.
- Students are strongly encouraged to complete their Foundations before completing 75 credit hours.
- All students are required to have a 2.00 cumulative grade point average (transfer and Missouri State combined) in their General Education Program in order to graduate.
- General Education courses may not be taken on a Pass/Not Pass basis.
- Excluding the Foundations area, students may count no more than 3 courses with the same course code towards the General Education requirements.

Learn more about the Goals of General Education and Learning Outcomes.

## Contact

**Administrator**

Rachelle L. Darabi, Associate Provost for Student Development and Public Affairs

**Office**

University Hall, Room 115

**Phone**

417-836-8346

**Fax**

417-836-6372

**Website**

www.missouristate.edu/generaleducation/

## Foundations (14-16 hours)

### First-year seminar

General Learning Goals: Public Affairs (GG12, GG13 and GG14), Information Literacy (GG6), and

Collaboration (GG7)

Complete one course (2 hours). Must be taken during first semester on campus.

**Course Options**

GEP 101 – First Year Foundations (2) **or**

UHC 110 – Freshman Honors Seminar (2) Note: required for Honors College students.

## Focus on Written Communication and Information Literacy

General Learning Goals: Written Communication (GG3) and Information Literacy (GG6)

Complete one course (3 hours). Should be taken during first year.

**Course Option**

ENG 110 – Writing I (3)

## Focus on Oral Communication

General Learning Goals: Oral Communication (GG4) and Information Literacy (GG6)

Complete one course (3 hours). Should be taken during first year.

**Course Option**

COM 115 – Fundamentals of Public Speaking (3)

## Focus on Quantitative Literacy

General Learning Goals: Quantitative Literacy (GG5)

Complete one course (3-5 hours).

**Course Options**

MTH 130 – Contemporary Mathematics (3)

MTH 135 – College Algebra (3)

MTH 138 – Pre-Calculus Mathematics (5)

MTH 181 – Trigonometry (3)

MTH 261 – Analytical Geometry and Calculus I (5)

MTH 287 – Computational Calculus with Analytical Geometry I (3)

### Focus on Written Communication and Integrative and Applied Learning

General Learning Goals: Written Communication (GG3) and Integrative and Applied Learning (GG15)

Complete one course (3 hours).

**Course Options**

AGR 320 – Writing II: Writing in the Applied Sciences (3)

ENG 210 – Writing II: Writing Across the Disciplines (3)

ENG 221 – Writing II: Writing for the Professions (3)

ENG 310 – Writing II: Writing for Graduate and Professional Schools (3)

ENG 321 – Writing II: Beginning Technical Writing (3)

GLG 358 – Writing II: Reporting Geological Information (3)

HST 210 – Writing II: Historical Inquiry (3)

NUR 472 – Writing II: Nursing Research and Scholarly Writing (3)

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## Breadth of Knowledge (31-33 hours)

### Knowledge of Human Cultures (*12 hours, four different course codes*)

#### Focus on Social and Behavioral Sciences

General Learning Goals: Social and Behavioral Sciences (GG8)

Complete two courses (6 hours).

**Course Options**

AGR 100 – Food Security (3)

ANT 125 – Exploring our Human Ancestry (3)

CFD 155 – Principles of Human Development (3)

CFD 163 – Relationships in Today's Families (3)

ECO 155 – Principles of Macroeconomics (3)

ECO 165 – Principles of Microeconomics (3)

GRY 108 – Principles of Sustainability (3)

MED 120 – Mass Media and Society (3)

PSY 121 – Introductory Psychology (3)

REL 131 – Religion in America (3)

SOC 150 – Introduction to Society (3)

## Focus on Humanities

General Learning Goals: Humanities and the Arts (GG9)

Complete one course (3 hours).

**Course Options**

AAS 100 – Introduction to African American Studies (3)

ART 271 – History of Western Art I (3)

ART 272 – History of Western Art II (3)

ART 273 – Survey of the Art of Africa, Oceania, and the Americas (3)

ART 274 – Survey of Asian Art (3)

ENG 200 – Great Books and Instant Classics (3)

ENG 282 – Literature by Women (3)

ENG 283 – Folklore and Cultural Engagement (3)

HST 103 – World History to Circa 1600 C.E. (3)

HST 104 – World History Since 1600 C.E. (3)

LLT 121 – Classical Mythology (3)

MED 274 – Introduction to Film (3)

MUS 241 – The Language of Music (3)

PHI 110 – Introduction to Philosophy (3)

REL 101 – Old Testament/Hebrew Bible (3)

REL 102 – New Testament (3)

## Focus on the Arts

General Learning Goals: Humanities and the Arts (GG9) and Collaboration (GG7)

Complete one course, (3 hours).

### Course Options

ART 200 – Art in Context (3)

DAN 180 – Introduction to the Dance (3)

ENG 203 – Creative Writing: Poetry (3)

ENG 205 – Creative Writing: Nonfiction (3)

ENG 215 – Creative Writing: Short Story (3)

MUS 239 – Introduction to World Music (3)

THE 101 – Introduction to Theatre and Drama Arts (3)

## Knowledge of the Natural World

(*7-9 hours with one course in each category (e.g., focus); with two different course codes; and at least one course must have a lab.)*

### Focus on Life Sciences

General Learning Goals: Life Sciences (GG10)

Complete one course (3-4 hours).

#### Course Options

BIO 100 – Biological Sciences for Educators (4) **(lab)**

BIO 101 – Biology in Your World (3)

BIO 111 – Laboratory for Biology in Your World (1) **(lab)**. Note: Student must have completed BIO 101 or be concurrently enrolled in both BIO 101 and BIO 111.

BIO 121 – General Biology I (4) **(lab)**

BMS 100 – Concepts and Issues in the Life Sciences (3)

BMS 101 – Concepts and Laboratory in the Life Sciences (1) **(lab)**. Note: Student must have completed BMS 100 or be concurrently enrolled in both BMS 100 or BMS 101.

BMS 110 – Introduction to the Biomedical Sciences (3)

BMS 111 – Introductory Laboratory in the Biomedical Sciences (1) **(lab)**. Note: Student must have completed BMS 110 or be concurrently enrolled in both BMS 110 and BSM 111.

GLG 115 – Life of the Past (3)

## Focus on Physical Sciences

General Learning Goals: Physical Sciences (GG11)

Complete one course (3-5 hours).

### Course Options

AST 113 – Modern Astronomy (3)

AST 114 – Survey of Astronomy (4)

AST 115 – Basic Astronomy (4) **(lab)**

CHM 107 – Chemistry for the Citizen (3)

CHM 108 – Chemistry for the Citizen Laboratory (1) **(lab)**. Note: Student must have completed CHM 107 with a grade of "C" or better or be concurrently enrolled in both CHM 107 and CHM 108.

CHM 116 – Fundamentals of Chemistry (4)

CHM 117 – Fundamentals of Chemistry Laboratory (1) **(lab)**. Note: Student must have completed CHM 116 with a grade of "C" or better or be concurrently enrolled in both CHM 116 and CHM 117.

GLG 110 – Principles of Geology (4) **(lab)**

GLG 171 – Environmental Geology (3)

GRY 135 – Principles of Weather and Climate (4) **(lab)**

GRY 142 – Introductory Physical Geography (4) **(lab)**

PHY 100 – Survey of Physics with Laboratory (4) **(lab)**

PHY 101 – Physics by Inquiry for Educators (4) **(lab)**

PHY 123 – Introduction to Physics I (4) **(lab)**

PHY 203 – Foundations of Physics I (5) **(lab)**

## Public Affairs (*12 hours; four different course codes*)

## Focus on Constitutions of U.S. and Missouri and American History and Institutions

General Learning Goals: Cultural Competence (GG13) and either Community Engagement (GG12) or Ethical Leadership (GG14)

Complete two courses (6 hours) with two different course codes.

HST 121 – Survey of the History of the United States to 1877 (3) **OR** HST 122 – Survey of the History of the United States Since 1877 (3)

PLS 101 – American Democracy and Citizenship (3)

## Focus on Cultural Competence

General Learning Goals: Cultural Competence (GG13) and either Community Engagement (GG12) or Ethical Leadership (GG14)

Complete one course (3 hours).

### Course Options

ANT 100 – World Cultures (3)

ENG 289 – Literature, Culture, and Conflict (3)

GRY 100 – World Regional Geography (3)

IDS 297 – International Culture and Study Abroad (3)

LLT 180 – The Heroic Quest (3)

MCL 200 – Global Perspectives on Languages and Cultures in Society (3)

MTH 121 – Multicultural Views of History and Mathematics (3)

REL 100 – Introduction to Religion (3)

REL 210 – Paths of World Religion (3)

SWK 219 – Human Diversity (3)

## Focus on Public Issues

General Learning Goals: Critical Inquiry (GG1), Creative Thinking and Expression (GG2), and Public Affairs (GG12, GG13 or GG14)

Complete one course (3 hours). Prerequisite: 12 completed hours.

**Note:** *Students who successfully complete Basic Training in any of the United States Military branches will be awarded 3 hours of transfer credit which will satisfy the Focus on Public Issues requirement.*

### Course Options

CIS 200 – Critical and Creative Thinking Using Information Technology (3)

CRM 210 - Introduction to the American Criminal Justice System (3)

CSC 210 – Public Affairs Issues in Computing (3)

ECO 101 – Economics of Social Issues (3)

EDC 249 – Schooling in America (3)

ENG 201 – Public Issues in Popular Culture (3)

ENG 222 – Writing for Social Change (3)

GEO 200 - Exploring Our Digital Earth (3)

KIN 210 – Healthy Lifestyles: Preventive Approaches (3)

KIN 286 – Ethics and Diversity in American Sport (3)

PHI 105 – Critical Thinking (3)

PHI 115 – Ethics and Contemporary Issues (3)

PLN 100 – Understanding Cities (3)

SOC 152 - Social Problems in the Community (3)

## Appeals for exceptions

The General Education Program of the University is administered by the Associate Provost for Student Development and Public Affairs. Appeals for exceptions to the General Education Program and/or requirements should be made to the Associate Provost for Student Development and Public Affairs. Students who are unsatisfied with the Associate Provost's decision may appeal to the Degrees Committee. Students who are unsatisfied with the Degrees Committee decision may appeal to the Provost.

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## 43-hour general education transfer block

In accordance with the transfer policy of the Missouri Coordinating Board of Higher Education, Missouri State has identified the following 43-hour block of general education classes. Upon completion of this block, a student may submit a request through the Office of the Registrar for a 43-hour block notation to be entered on the student's transcript. If the student then transfers to another participating school in the state, the receiving institution should accept the Missouri State 43-hour block as equivalent to their own general education block. In a similar manner, if a student transfers to Missouri State with certification of a completed 42-hour general education block from another participating institution, the student will not be required to take any of the following classes at Missouri State unless they are needed to fulfill a requirement of the student’s major, minor or degree.

**Foundations (12 hours)**

1. Focus on Written Communication and Information Literacy: ENG 110 (3)
2. Focus on Oral Communication: COM 115 (3)
3. Focus on Quantitative Literacy (3-5)
4. Focus on Written Communication and Integrative and Applied Learning (3)

**Breadth of Knowledge (31 hours)**

1. Knowledge of Human Cultures (12)
2. Knowledge of the Natural World (7)
3. Public Affairs (12) Note: Transfer students who have had a course in American Government (PLS 101) that did not include a study of the Missouri constitution must complete PLS 103 (1).

Students awarded Advanced Placement credit for PLS 101 must complete PLS 103 (1 hour).

# General Education Courses

## General Education Program (GEP) courses

**GEP 101 First-Year Foundations**

*Prerequisite: enrollment limited to degree-seeking students only.*

*General Education Course (First-year Seminar).*

An integrative and interdisciplinary seminar designed to introduce students to the public affairs mission, improve students' academic skills, develop a foundational knowledge of university resources, and facilitate students' successful transition to Missouri State University's community of scholars. Required of all students with fewer than 24 credit hours earned post high school. Must be taken during students' first semester. Honors students must substitute UHC 110 for this class.

**Typically offered:** Fall, Spring, Summer
Projected offerings

# General Baccalaureate Degree Policies and Requirements

*Op3.04-27 General Baccalaureate Degree Policies and Requirements*

## General degree policies

### Majors and options

A major is an academic program of study. A major may be divided into options or emphasis areas that consist of a core area of study plus selected topical courses related to the specified option. The diploma will list the major and not the option. For example, a student majoring in Marketing with an option in Advertising and Promotion will have Marketing listed on the diploma. Both the major and the option title will be listed on the student transcript.

### Multiple degrees and/or multiple majors

For students with two majors, the first will determine the students' department and dean for various administrative purposes.

Students who complete the requirements for two or more majors under the same degree in the same semester will be awarded one diploma listing all majors. If either major requires a minor, the other major will fulfill this requirement. An additional major option or university certificate will not fulfill a minor requirement.

Students who complete the requirements for two or more different degrees in the same semester will be awarded a diploma for each degree.

### Multiple use of courses

Courses may be counted toward meeting the requirements in more than one area (major and minor, two majors, major and general education requirements, etc.) unless specifically prohibited by the academic departments and/or degree requirements and so stated in the catalog.

Courses completed for graduate credit other than approved mixed credit courses cannot be applied toward an undergraduate degree program, nor can courses taken for undergraduate credit

be applied toward a graduate degree program.

## Additional undergraduate degree and/or major

Students who have previously earned a baccalaureate degree may return to pursue an additional major or degree. A student may also pursue multiple majors and/or degrees at the same time.

A student may not receive a second baccalaureate degree with the same major (even if the option within the major is different) as a degree previously earned unless one of the degrees is an education degree (e.g. Bachelor of Science in Education or Bachelor of Music Education) and the other degree is not.

Students pursuing multiple options of the same major must graduate with the multiple options during the same semester of graduation as the student may not return in a later semester and be awarded the same major again.

Students who have earned a bachelor's degree from an institution accredited by a regional accrediting association recognized by the Council for Higher Education Accreditation (CHEA) are considered to have fulfilled general education requirements for the subsequent major/degree. Additionally, for students pursuing a subsequent degree that requires a minor, the major on the previous degree will fulfill the requirement. If students choose to pursue a minor, it may not be in the same field of study as a previously earned major or minor, and must be of the same degree type as the subsequent degree.

Minors may only be awarded as part of an earned degree. A minor cannot be awarded independently and students cannot complete a minor post-graduation to a previously awarded degree.

## Teacher certification

A Bachelor of Science in Education or Bachelor of Music Education degree may be granted without a recommendation for a teaching certificate if the graduate does not present evidence of good moral character as determined by the Professional Education Committee.

## Time limit

Credit for courses completed in the major more than eight years before the student's date of graduation may be disallowed by the major department.

# Bachelor's degree requirements

## Catalog of graduation

Students shall satisfy the General Education, General Baccalaureate Degree Requirements, and Scholastic Honors requirements in effect upon first enrollment as a degree-seeking student at Missouri State. Major and minor requirements and other specific degree requirements in effect at the time the student is admitted to that program shall be satisfied. Candidates for the Bachelor of Science in Education and Bachelor of Music Education degrees must meet all Missouri state teacher certification requirements in effect at the time the certificate is granted.

If a student re-enrolls after an absence of one calendar year or more from Missouri State, requirements in effect at the time of readmission as a degree-seeking student must be satisfied. Any undergraduate student who re-enrolls at Missouri State within one year of being released from military assignment shall be allowed to continue under the same "catalog of graduation." Any undergraduate student who had been admitted to a degree program or any graduate student with an approved program of study prior to mobilization and who re-enrolls within one year of being released from military assignment shall not be subject to any additional degree requirements enacted in the interim.

Transfer students from Missouri public colleges and universities may follow the general education and general baccalaureate degree requirements in effect at Missouri State when they first enrolled (or re-enrolled after an absence of one calendar year or more) as degree-seeking students at the institutions from which they transferred. The general education catalog year for these students will be established at the point of admission on the basis of this policy. Students who elect instead to follow the general education and general baccalaureate degree requirements in effect during their first semester may do so by notifying the Office of the Registrar.

## Credits and grade point average requirements

All candidates for any baccalaureate degree must meet the following minimum credits and grade point average requirements:

1. Completed a total of at least 125 semester hours of credit.
2. Completed 40 hours of upper division credit (courses numbered 300 and above).
3. Attained at least a 2.00 Missouri State cumulative GPA.
4. Attained at least a 2.00 combined (MSU and transfer) GPA.
5. Attained at least a 2.00 general education GPA on all courses used to meet the student's General Education requirements.

6. Attained at least a 2.00 GPA on all courses that are required in the major.
7. Attained at least a 2.00 GPA on all courses that are required in the minor.

Candidates for the Bachelor of Science in Education degree are also required to meet the following additional grade point average requirements. All GPA requirements include both Missouri State and transfer grades.

1. Attain at least a 2.75 combined (MSU and transfer) cumulative GPA.
2. Attain at least a 3.00 GPA in the certificate subject area (major field of study).
3. Attain at least a 3.00 GPA in any additional certificate subject area.
4. Attain at least a 3.00 GPA in the professional education courses.
5. Have no grade lower than a “C” in all professional education courses.

Note: Many majors and minors require a GPA higher than the above stated minimums for admission, graduation, or both. Such requirements are listed as a part of the major or minor requirements.

## Public Affairs Capstone Experience

All candidates for any baccalaureate degree must have completed a capstone experience (the equivalent of at least three cumulative credit hours) related to the major. The capstone experience allows a student to demonstrate the capacity to synthesize and apply information, demonstrate analytical, practical, and interpretive skills and promulgate ideas acquired from the major to bear on one significant summative experience, project, or class intrinsic to two elements of the public affairs mission. The capstone experiences/projects/classes will be designed and approved by individual departments or programs. The course number and credit hours assigned to the capstone experience will be determined by the department and specified within each major’s requirements.

## University exit exam

All students admitted into a baccalaureate degree program must complete a University Exit Exam. Students must take this University Exit Exam prior to graduation and upon the completion of 90 or more credit hours.

Students who complete more than one baccalaureate degree are only required to take the exam

one time. Requests for exceptions to the exam requirement due to extreme hardship should be directed to the Office of the Provost. Information regarding the University Exit Exam may be obtained online.

## Residence requirements

A candidate for a degree who transfers credit from another college must meet the following residence requirements:

1. Complete a minimum of at least 30 hours of courses administered by the Springfield Campus.
2. Complete at least 12 hours of upper division credit in the major in courses administered by the Springfield Campus.
3. Complete at least 6 hours of upper or lower division credit in the minor in courses administered by the Springfield Campus.
4. Complete at least 20 out of the last 30 hours in courses administered by the Springfield Campus. Students who have completed at least 90 hours in courses administered by the Springfield Campus, may petition the department head of their major to take less than 20 out of the last 30 hours on the Springfield Campus. If this petition is granted, written approval from the department head must be forwarded to the Office of the Registrar prior to the semester of graduation.

   Exceptions to 20 out of the last 30 hours requirement are made for the following: a) Medical Technology majors when the last year is completed at an approved school of Medical Technology, b) Radiography majors when the last two years are completed at an approved school of Radiologic Technology, c) Animal Science major when the last two years are completed at the University of Missouri School of Veterinary Medicine, d) students who participate in a Missouri State study away or exchange program approved by the Office of International Programs, and e) students in the West Plains Campus completion degree programs.

## Appeals for exceptions

Students who wish to appeal for exceptions to the general baccalaureate degree requirements should submit an appeal to the Degrees Committee. The procedure for submitting an appeal is maintained by the Office of the Provost.

# Bachelor of Arts Requirements

All students pursuing a Bachelor of Arts degree must satisfy the following degree requirements:

A. **Language Requirement.** Complete one of the following options:
   1. Complete 12 hours in a single language offered by the Department of Modern and Classical Languages. Students with advanced proficiency in a language other than English may be exempted from this requirement with approval from the head of the Department of Modern and Classical Languages.

   2. Complete 12 hours in American Sign Language (ASL) courses. Consult with the Department of Communication Sciences and Disorders regarding any exceptions or substitutions.

B. **World History.** Complete both HST 103 and HST 104 (6 hours). Note: may also count toward the General Education Focus on Humanities requirement.

C. **Philosophy.** Complete 3 hours of Philosophy. Note: PHI 105 or PHI 115 may also count toward the General Education Focus on Public Issues requirement.

D. **Fine Arts.** Complete 6 hours chosen from any of the following courses. Courses used to meet the Fine Arts requirement cannot be used to meet the General Education Program requirements. Following three departments have additional restrictions on double-counting of courses: English; Modern and Classical Languages; and Theatre and Dance. Refer to the department page for more information.
   1. **Art:** ART 200, 271, 272, 273, 274, 374, 378, 381, 382, 385, 386, 387, 472, 474, 475, 478, 479, 480, 483, 484, 485

   2. **Literature:** ENG 184, 200, 282, 287, 289, 312, 330, 334, 336, 338, 340, 341, 350, 351, 354, 355, 360, 361, 362, 363, 366, 455, 483, 485, 510, 512, 513, 514, 517, 519, 533, 534, 536, 541, 543, 544, 546, 547, 548, 553, 554, 557, 558, 559, 563, 568, 580, 583

   3. **Language/Literature from Modern and Classical Language:** ARB 297; CHI 297, 410, 498; FRN 297, 302, 326, 335, 381, 382, 410, 412; GRM 297, 303, 320, 325, 400, 410, 455, 465, 475, 485, 495, 498; GRK 297, 301, 302, 498; HBW 297; ITL 297; JPN 297; KOR 297; LLT 121, 180, 215, 225, 240, 271, 296, 321, 325, 326; LTN 450, 451, 460, 461, 470, 471; PTG 297; RUS 297; SPN 297, 314, 320, 325, 326, 410, 450, 460, 480, 495, 510

4. **Music:** MUS 239, 241, 345, 346

5. **Kinesiology:** KIN 240. Note: this is a 2-hour course.

6. **Theatre and Dance:** DAN 180; THE 101, 109, 541, 542, 543, 545, 547

# Teacher Certification, Teacher Education Program and Secondary Education Requirements

The Teacher Education Program and the Secondary Education programs are interdisciplinary in nature and applicable to all students pursuing teacher certification. These programs are overseen by the Educator Preparation Provider (EPP) with a Educator Preparation Provider Council (EPPC) and numerous subcommittees. All academic departments/schools with a teacher education program participate in these committees and administer their programs in accordance with approved policies and curriculum. The following offices assist the EPP, EPPC, and the departments in administering the programs.

- **Educator Preparation Provider Head:** Dr. Chris Craig, Deputy Provost, Carrington Hall, room 209, 417-836-5022
- **Certification, Field Experience and Data Management:** Kim Dubree, Director, 417-836-8772
- **Professional Education Advisement:** Juli Panza, Coordinator, 417-836-5429
- **Secondary Professional Education Advisement:** Dr. Karen Engler, Director, 417-836-6204

## Teacher education program

The professional education programs have received continuing accreditation by the Missouri Department of Elementary and Secondary Education for teacher preparation and certification. Admission to the University does not automatically qualify a student to participate in the professional component of the teacher education program. A high level of academic and professional competence is required for admission to and continuation in the teacher education program. Completion of the program is designed to lead to certification to teach in Missouri public schools.

## Post-baccalaureate teacher certification

Students who have already obtained a bachelor's degree and are seeking Missouri state teacher certification should contact the Teacher Certification Office, 417-836-8772. This office provides a program evaluation service for initial certificates ($25 fee required), advisement and assistance to

gain certification and/or additional endorsements.

## Diversity component

Diversity coursework is required through professional and program-specific courses. Students must consult with the program or department of major for specific program requirements that may meet this diversity component.

## Professional liability

All candidates for professional education programs at Missouri State University are required to have professional liability insurance coverage before being placed in the initial practicum, and/or subsequent clinical and field experiences. Professional liability insurance may be obtained at a minimal cost through a personal insurance carrier or through one of many available professional student organizations that provide insurance as part of their membership package. The proof of coverage must accompany all other required documentation prior to placement. No exceptions may be granted.

## Transition points

All students pursuing Missouri certification are required to meet a series of Transition Points that will be assessed, evaluated, and monitored throughout the teacher education program with assistance and guidance from faculty. There are five distinct Transition Points students meet from entry to their education program to follow up post graduate training.

## Transfer credit

To apply transfer credit in educational methods courses to the degrees of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Language with an option in Teacher Certification, a student enrolled at Missouri State should contact their academic advisor for assistance.

## Certification eligibility requirements

Completion of certification requirements is a four-step process. Students who receive a certification recommendation must meet the standards for certification eligibility as outlined below:

A. **Requirements for Eligibility to Enroll in Professional Education Courses:** Before a student can enroll in the introductory methods courses (ECE 304, ELE 302, KIN 200, MUS 200, SEC 302, or SPE 310), the student must have:

1. A combined (Missouri State and transfer) GPA of 2.50 or higher.

2. Meet with academic advisor to determine whether completion of EDC 150 transfer section is required. Note: For Agriculture Education, Early Childhood Education, Elementary Education, Music Education, Physical Education, and Special Education majors, competency is covered in major requirements.

3. Family Care Safety Registry report on file prior to any clinical experience placement. Contact College of Education Student Services Office, 200 Hill Hall. A small fee is charged for this report.

B. **Requirements for Admission to and Continuance in the Teacher Education Program:** Students who plan to complete teacher certification requirements must be admitted to the Teacher Education Program. Eligibility is automatically monitored when enrolling in EDC 150 transfer section, ECE 304, ELE 302, KIN 200, MUS 200, SEC 302, or SPE 310. Admission to the Program is required before students are allowed to begin additional courses in the professional education component (with the exception of EDT 365 which may be taken concurrently with EDC 345, ELE 302, SEC 302, or SPE 310).

   The criteria used to determine admission to the Teacher Education Program are outlined below. In addition to having completed at least 45 semester hours (secondary and middle school majors) or 30 semester hours (early childhood, elementary, and special education majors) of university coursework, the student must have:

   1. Earned a combined (both Missouri State and transfer) GPA of 2.75 or higher. A major (certificate subject area) GPA of 2.75 or higher is also required for students in History (Social Science), and a major (certificate subject area) GPA of 3.00 and passing score on the piano proficiency exam are also required for all students in Music education.

   2. Earned a passing score on all four sub-tests of the Missouri General Education Assessment (MoGEA) examination and completed the Missouri Educator Profile (MEP). Refer to the MoGEA website for details.

   3. Earned a grade of “C” or higher in COM 115.

   4. Purchased a subscription to Taskstream (comprehensive portfolio system).

   5. Completed ECE 304, ELE 302, KIN 200, MUS 200, SEC 302, or SPE 310, with a grade of “C” or higher. Note: A grade of "B" or higher is required in ELE 302 or transfer equivalent for Elementary Education majors.

   6. Registration with the Family Care Safety Registry (FCSR).

7. Completed Disposition Checklist and Student Contract.

Upon completion of the above requirements, a student's record is reviewed and submitted to the Educator Preparation Provider Council (EPPC) for admission to Teacher Education. A student's qualifications for continuance in the Teacher Education Program is subject to review and change by the EPPC at any time while the student is enrolled. Students should check with their advisor or department head for any additional program specific requirements.

C. **Requirements for Assignment to Supervised Teaching (effective fall 2017 and after):** Successful completion of supervised teaching is a requirement for teacher certification. The criteria used to determine eligibility for Supervised Teaching are outlined below. The student must have:

1. Been admitted to the Teacher Education Program and completed Transition Point #1 and Transition Point #2.
2. Current and valid TB skin test.
3. Current and valid Liability Insurance.
4. Current and valid Family Care and Safety Registry (FCSR) and FBI Background checks.
5. A combined (both Missouri State and transfer) GPA of 2.75 or higher for all college level coursework completed.
6. Completed at least 15 hours at Missouri State.
7. Completed all courses in the major (certificate subject area) with a combined (both Missouri State and transfer) GPA of 3.00 or higher.
8. Completed all Professional Education courses with a grade of "C" or higher (Elementary Education majors are required to have a grade of "B" or higher).
9. Complete all degree requirements except supervised teaching, or have an approved exception on file.
10. Attempted the Missouri Content Assessment (MoCA) in the certification area (must be passed for certification recommendation). Refer to the MEGA website for MoCA details.
11. Been recommended by the student's advisor. The recommendation shall be based upon the applicant's character, personality, and potential for teaching.

12. Been recommended by the department in which the student is completing an undergraduate major or seeking certification. For those students completing a degree which involves significant work in more than one department (i.e., Speech and Theatre Education) the departmental recommendation will come from the department in which the greatest number of hours is completed. For those students who have already completed a degree, the departmental recommendation will come from the department which would normally provide the majority of the course work for that certification.

Additional supplemental course fees are assessed for Supervised Teaching.

D. **Requirements for Certification Recommendation (effective fall 2017 and after):** To be recommended for an initial Missouri teaching certification, the student must have:

1. Successfully completed Supervised Teaching
2. Met all Missouri teacher certification requirements which are in effect at time of certification. These requirements are normally met by persons earning the degrees of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Language with an option in Teacher Certification.
3. A combined (Missouri State and transfer) GPA of 2.75 or higher.
4. Completed all Professional Education courses with a combined (Missouri State and transfer) GPA of 3.00 or higher and no grade lower than “C” (Elementary Education majors require no grade lower than “B”).
5. A combined (Missouri State and transfer) GPA of 3.00 or higher in the major (certificate subject area) and for each additional area of endorsement.
6. Successful completion of the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education. Refer to the MEGA website for details.
7. Completed Transition Point #3.

The Missouri Department of Elementary and Secondary Education (DESE) will require a current and valid FBI background check prior to issuing a certificate.

## Secondary Education (Certifiable grades 9-12 and K-12)

All students must be admitted to the Teacher Education Program and to Supervised Teaching. Refer to procedures stated above.

In order to meet Missouri state teacher certification requirements, candidates for the degrees of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Languages with an option in Teacher Certification are required to meet the following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the major (certificate subject area) which includes all courses listed under C below
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the Professional Education courses and no grade lower than “C” in all Professional Education courses

Additional State Board of Education certification rules require successful completion of the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education. Refer to the MEGA website for details.

The curriculum for secondary (9-12 and K-12) teaching leads to the degree of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Languages with an option in Teacher Certification and carries with it an Initial Professional Certificate (IPC) to teach in the state of Missouri.

A. General Education Requirements - see “General Education Program" section of catalog (45-49 hours)
B. Specific major requirements may also meet General Education Requirements. See the content discipline department for course listing. Students must also satisfy the following requirements which may be met through General Education coursework.
    1. Prerequisite for Professional Education courses is PSY 121.
    2. International students must provide documentation of completion of coursework in the following:
        a. English Composition, two (2) courses, each a minimum of two (2) semester hours;
        b. U.S. History, three (3) semester hours; and
        c. U.S. Government, three (3) semester hours
    3. Admission to the Teacher Education Program requires completion of COM 115 with a grade of “C” or higher.

C. Complete a subject area major not less than 30 hours or a comprehensive major of not less than 50 hours. See discipline department for major requirements. Although not required, minors must be no less than 15 hours. Note: Students who wish to be certified in an additional area of certification should check the state and departmental requirements in that area.

D. Professional Education Courses (Music Education and Physical Education majors must refer to the department section of the catalog for admission to Teacher Education Program and degree requirements.) The program outlined below has been designed to prepare teachers and to meet the requirements for Missouri state teacher certification. Note: A grade of “C” or higher is required in each course.
   1. Required Core (25-35 hours):
      a. SEC 302(3) General Methods of Instruction in the Middle and Secondary Schools. Note: Music Education majors satisfy this requirement by completion of MUS 200(3); Physical Education majors satisfy this requirement by completion of KIN 200(3).

      b. PSY 360(3) Educational Psychology

      c. EDC 345(3) Introduction to Multicultural Education and Diversity

      d. SPE 340(2) Educational Alternative for Exceptional Students. Note: Music Education majors satisfy this requirement by completion of MUS 340(2); Physical Education majors satisfy this requirement by completion of KIN 468(4).

      e. RDG 474(3) Reading and Writing in the Content Fields

      f. RDG 574(3) Analysis and Correction of Difficulties in Literacy. Note: B-12 and K-12 (Art and Design, Family and Consumer Sciences, Music, Physical Education and Modern Language) majors are not required to complete this course.

      g. Teaching Methods Course (3-4). Courses are specified within the Professional Education section of the major requirements. Note: A teaching methods course is required for each area of certification.

      h. Supervised Teaching (8-12). Courses are specified within the Professional Education section of the major requirements.

   2. Additional required competencies or equivalent course(s) required for major
      a. EDC 150(0) Introduction to Teaching. EDC 150 is required for students who completed a beginning teaching methods/field experience course at another

institution and who wish to apply course credit toward completion of the SEC 302 requirement. Note: Agriculture Education, Music Education, and Physical Education majors cover competencies in major requirements.

b. EDC 350(3) School and Society. Note: Family and Consumer Sciences Education, Music Education, and Physical Education majors cover competencies in major requirements.

c. EDT 365(3) Educational Applications of Technology and Media. Note: Agriculture Education, English Education, Family and Consumer Sciences Education, History (Social Science) Education, Mathematics Education, Music Education, Physical Education, and all Science Education majors cover competencies in major requirements.

d. SFR 486(3) Management and Assessment in the Middle and Secondary Classroom. Note: English Education, Mathematics Education, Music Education, Physical Education, and all Science Education majors cover competencies in major requirements.

E. Most programs leading to teacher certification require more than the University minimum of 125 hours for graduation. It is the student's responsibility to meet all degree requirements for the Bachelor of Science in Education-Secondary in specific subject area major areas. Refer to the program requirements for each major.

F. General Baccalaureate Degree Requirements - see "General Baccalaureate Degree Requirements" section of catalog

# Majors and Minors Offered

## Majors

+ Indicates accelerated graduate program is available for students in this major.

Minors

Degree Abbreviations

All Missouri State University policies regarding courses, programs, specialized academic program accreditations, academic regulations, and degree requirements are applicable, regardless of delivery method or location.

### A

Accounting (BS)+

Agricultural Business (BS) *Options: Agricultural Enterprise Management;* Agricultural *Finance and Management; Agricultural Marketing and Sales*+

Agriculture Education (BSEd)+

Animal Science (BS)+

Anthropology (BA, BS) *Minor Required*+

Art (BFA) *Options: Ceramics, Computer Animation, Digital Arts, Drawing, Metals/Jewelry, Painting, Photography, Printmaking, Sculpture*

Art and Design (BA)

Art and Design (BSEd)

Art History (BA) *Minor Required*

Athletic Training (BSAT)

### B

Biology (BA, BS) *Minor Required*+

Biology (BS) *Options: Environmental Biology and Evolution; Microbiology and Biotechnology; Wildlife Biology*+

Biology Education (BSEd) *Options: Categorical Science, Unified Science*+

## C

Cell and Molecular Biology (BS)

Chemistry (BS) *Minor Required*

Chemistry (BS) *Options: Biochemistry, Graduate School, Industrial*

Chemistry Education (BSEd)

Child and Family Development (BS) *Options: Child Development; Child Life; Family Studies; Youth Development*

Classics-Latin Concentration (BA) *Minor Required*

Clinical Laboratory Sciences-Medical Technology (BS)

Communication (BA, BS) *Minor Required. Options: Communication Studies; Ethical Leadership; Health Communication; Intercultural Communication and Diversity; Interpersonal Communication; Organizational Communication; Rhetoric*

Communication Sciences and Disorders (BS) *Options: Audiology; Education of Deaf and Hard of Hearing; Speech-Language Pathology*

Community and Regional Planning (BS)

Computer Information Systems (BS)

Computer Science (BS) *Minor Required. Options: Computer Science; Software Development*

Construction Management (BS)

Criminology (BA, BS)

## D

Dance (BS)

Dance option-Theatre and Dance major (BFA)

Design (BFA) *Options: Graphic Design; Graphic Design and Illustration; Illustration*

Dietetics (BS)

## E

Early Childhood Education (BSEd)

Earth Science Education (BSEd) *Options: Categorical Science, Unified Science*

Economics (BA, BS) *Minor Required*

Economics (BS)

Engineering Program (BS) *(cooperative program with Missouri University of Science and Technology)*

English (BSEd)

English (BA, BS) *Options: Creative Writing,*

*Literature*

Electronic Arts (Art and Design - BS) *Minor Required. Option: Computer Animation Studies*

Electronic Arts (Media, Journalism & Film - BS) *Minor Required. Options: Audio Studies, Interactive New Media Studies, Video Studies*

Elementary Education (BSEd)

Entertainment Management (BS)

Entrepreneurship (BS)

Environmental Plant Science (BS) *Options: Horticulture, Crop Science*

Exercise and Movement Science (BS) *Options: Health Studies, Pre-Professional*

## F

Family and Consumer Sciences (BSEd)

Fashion Merchandising and Design (BS) *Options: Fashion Design and Product Development; Fashion Merchandising and Management*

Finance (BS) *Options: Finance, Financial Planning, Real Estate*

## G

General Agriculture (BS, BAS) *Options: Agricultural Communications, Agriculture*

General Business (BS)

General Studies (BGS)

Geography (BA, BS) *Minor Required*

Geology (BS)

Geology (BS) *Minor Required*

Geospatial Sciences (BS)

Gerontology (BS)

Global Studies (BA) *Minor Required*

## H

Health Services (BS) *Options in Clinical Services, Health Services*

History (BA) *Minor Required*

History (BS)

Hospitality Leadership (BAS)

Hospitality Leadership (BS) *Options: Club Management; Food and Beverage; General Operations; Lodging; Senior Living*

*Management; Tourism*

History (BSEd)

## I

Individualized Major (BA, BS)

Information Technology Service Management (BS)

Interior Design (BS)

## J

Journalism (BS) *Minor Required.*

## M

Management (BS) *Options: Administrative Management, Human Resources Management, International Business Administration*

Marketing (BS) *Options: Advertising and Promotion; Marketing Management; Marketing Research; Sales/Sales Management*

Mass Media (BA, BS) *Minor Required*

Mass Media (BS)

Mathematics (BA) *Minor Required*

Mathematics (BS)

Mathematics (BS) *Minor Required. Options: Actuarial Mathematics, Applied Mathematics, General Mathematics, Statistics*

Mathematics (BSEd)

Mechanical Engineering Technology (BS)

Middle School Education (BSEd) *Options: Language Arts , Mathematics, Science, Social Sciences*

Modern Language (BS) *Minor Required*

Modern Language (BS) *Options: Applied Business, Second Language, Teacher Certification, Translation*

Music (BA, BS) *Minor Required*

Music (BMus) *Options: Composition, Instrumental Performance, Jazz Performance, Keyboard Performance, Vocal Performance*

Music-Instrumental (BME)

Music-Vocal/Choral (BME)

Musical Theatre (Music - BFA)

Musical Theatre (Theatre and Dance - BFA)

## N

Natural Resources (BS)

Nursing (generic 4-year program) (BSN)

Nursing (completion program for registered nurses) (BSN)

## P

Philosophy (BA, BS) *Minor Required*

Physical Education (BSEd)

Physics (BS) *Options: Astronomy and Astrophysics; Engineering and Applied Physics; Graduate Prep Physics; Materials Physics*

Physics Education (BSEd)

Political Science (BA, BS) *Minor Required*

Professional Writing (BA, BS) *Minor Required*

Psychology (BA, BS) *Minor Required*

Public Relations (BS) *Minor Required*

## R

Radiography (BS) *Options: Education, Management, Science*

Recreation, Sport and Park Administration (BS) *Minor Required*

Recreation, Sport and Park Administration (BS)

Religious Studies (BA, BS) *Minor Required*

Respiratory Therapy (BS) *Options: Education, Management, Science*

Risk Management and Insurance (BS)

## S

Social Work (BSW)

Socio-Political Communication (BS)

Sociology (BA, BS) *Minor Required*

Special Education/Cross Categorical (BSEd)

Speech and Theatre Education (Communication - BSEd)

Speech and Theatre Education (Theatre and Dance - BSEd)

Supply Chain, Logistics and Operations Management (BS) *Options: Logistics and Operations Management; Supply Chain Analytics*

## T

Technology Management (BAS)

Theatre (BA, BS) *Minor Required*

Theatre and Dance (BFA) *Options: Acting, Dance, Design/Technology/Stage Management*

### W

Wildlife Conservation and Management (Agriculture - BS)

Wildlife Conservation and Management (Biology - BS)

## Minors

Degree codes are in parenthesis. Minor degree code must match the major degree code. Example: student pursuing a Bachelor of Arts (BA) major that requires a minor must select from those minors designated as (BA). See degree abbreviations below.

### A

Accounting (BA, BAS, BS)

Advertising and Promotion (BA, BFA, BS)

African and African American Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Agricultural Business (BS)

Agriculture (BSEd)

Agronomy (BS)

Animal Science (BS)

Anthropology (BA, BS, BSW)

Art (BA, BS)

Art History (BA, BFA, BS, BSEd)

Asian Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Astronomy (BA, BS)

### B

Biology (BA, BS, BSEd)

Biomedical Sciences (BA, BS, BSAT, BSN)

### C

Chemistry (BA, BS)

Communication (BA, BS)

Child and Family Development (BA, BS, BSW)

Chinese (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Classics-Classical Humanities (BA, BS)

Classics-Concentration in Ancient Greek (BA)

Classics-Latin Concentration (BA, BAS, BFA, BMus, BS, BSAT, BSN, BSW)

Coaching (BA, BS, BSEd)

Community and Regional Planning (BS)

Companion Animal Science (BA, BAS, BS)

Computer Information Systems (BA, BS)

Computer Science (BA, BS)

Construction Management (BA, BAS, BS)

Creative Writing (BA, BFA, BS)

Criminology (BA, BS, BSEd, BSW)

Cybersecurity (BA, BS)

## D

Dance (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Data Analytics (BA, BS)

Design (BS)

Disability Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Diversity Studies (BA, BFA, BS, BSEd, BSN, BSW)

## E

Economics (BA, BS, BSEd)

English (BA, BFA, BMus, BS, BSEd)

Entrepreneurial Studies (BS)

Entrepreneurship (BS)

Environmental Physics Technology (BS)

Equine Studies (BA, BS)

ESOL (English for Speakers of Other Languages) (BA, BS)

Ethical Leadership (BA, BS, BSEd)

Ethics and Social Policy (BA, BFA, BS, BSEd, BSW)

Exercise Biology (BS, BSAT)

## F

Film Studies (BA, BS)

Finance (BA, BS)

Folklore (BA, BFA, BS, BSEd)

Forestry (BA, BAS, BS)

Financial Planning (BA, BS)

Fire Administration (BA, BS)

French (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

## G

Gender Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

General Agriculture (BS)

General Business (BA, BS)

General Family and Consumer Sciences (BA, BS, BSEd)

Geography (BA, BS, BSEd)

Geology (BA, BS)

Geospatial Sciences (BS)

Geotourism (BA, BS)

German (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

Gerontology (BA, BS, BSW)

Global Studies (BA, BS)

## H

Health Care Management (BA, BS, BSN)

History (BA, BS, BSEd, BSW)

Horticulture (BS)

Human Resources Management/Industrial Relations (BA, BS)

## I

Industrial Management (BA, BAS, BS)

Informatics (BS)

Information Technology Service Management (BA, BS)

Interior Design (BA, BS)

International Management (BA, BS)

International Marketing (BA, BS)

International Relations (BA, BS)

## J

Japanese (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Journalism (BA, BS)

## L

Latin (BA, BFA, BS, BSW)

Latin American, Caribbean, and Hispanic Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Law and Society, The (BA, BS)

Leadership (BS)

Legal Studies in Business (BA, BS)

Linguistics (BA, BS, BSEd)

Literacy (BSEd)

Logistics and Supply Chain Management (BA, BS)

## M

Management (BA, BS)

Marketing (BA, BFA, BS)

Marketing Research (BS)

Mass Media (BA, BS)

Mathematics (BA, BS, BSEd)

Middle Eastern Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Military Science (BA, BAS, BFA, Mus, BS, BSAT, BSEd, BSN, BSW)

Molecular Biology (BS)

Museum Studies (BA, BFA, BS)

Music (BA, BS)

Music Composition (BA, BMus, BS)

## N

Native American Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Nutrition (BA, BS, BSAT, BSN)

## O

Ozarks Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

## P

Personalized Minor (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Philosophy (BA, BFA, BS, BSEd, BSW)

Psychology (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

Public Administration (BA, BS, BSEd, BSW)

Physics (BS)

Political Science (BA, BS, BSEd, BSW)

Public Law (BA, BS, BSW)

## R

Real Estate (BA, BS)

Recording Arts (BA, BMus, BS)

Recreation, Sport, and Park Administration (BA, BS)

Religious Studies (BA, BS, BSEd, BSN, BSW)

Risk Management and Insurance (BA, BS)

## S

Screenwriting (BA, BFA, BS)

Selling (BA, BS)

Sign Language Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Sociology (BA, BS, BSEd, BSW)

Spanish (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

Sports Medicine (BA, BAS, BFA, BME, BMus, BS, BSEd, BSN, BSW)

Sustainability (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

## T

Teaching English to Speakers of Other Language (BSEd)

Technical Writing (BA, BFA, BS)

Theatre (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

## W

Web Application Development (BA, BS)

Writing (BSEd)

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## Degree abbreviations

**BA** — Bachelor of Arts

**BAS** — Bachelor of Applied Science

**BS** — Bachelor of Science

**BSAT** — Bachelor of Science in Athletic

**BFA** — Bachelor of Fine Arts

**BGS** — Bachelor of General Studies

**BME** — Bachelor of Music Education

**BMus** — Bachelor of Music

Training

**BSEd** — Bachelor of Science in Education

**BSN** — Bachelor of Science in Nursing

**BSW** — Bachelor of Social Work

# University Certificates

The University certificate programs are designed for those who wish to complete a recognized concentration of study in an area. Each certificate program is a focused combination of courses designed to significantly increase competency in the stated discipline area. Completion of the certificate will be reflected on the student's transcript.

Computational Science (18 hours) Department of Physics, Astronomy, and Materials Science

Concentrated Officer Development and Education Program - Department of Criminology and Criminal Justice

- The Justice System (16 hours)
- The Officer (16 hours)
- The Community (16 hours)
- The Leaders of Law Enforcement (16 hours)

Conflict and Dispute Resolution (16 hours) Department of Communication

Conservation Law Enforcement (18-19 hours) Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Biology

Entrepreneurship (15 hours) Department of Management

Environmental Education (14-16 hours) Interdisciplinary program offered by Department of Biology and Department of Geography, Geology and Planning

Fire Administration (12 hours) Department of Political Science

Food and Beverage Operations (15 hours) Department of Hospitality Leadership

Forensic Child Psychology (12 hours) Department of Psychology

Geographic Information Sciences (18 hours) Department of Geography, Geology, and Planning

Planning and Development (13 hours) Department of Geography, Geology, and Planning

Press Politics (15 hours) Department of Media, Journalism & Film

Writing for Television and Film (12 hours) Department of Media, Journalism & Film

# Missouri State Outreach

Missouri State Outreach works with academic departments and colleges throughout the University to provide a wide range of credit courses at both the Springfield campus and off-campus sites beyond the Springfield campus, using technology-based delivery systems and traditional off-campus instruction delivery systems. The academic programs offered undergo the same academic review and scrutiny as academic programs offered in traditional settings.

Visit the Outreach website for more information on online, iCourses, Evening College Plus, noncredit, off-campus, high school dual credit, and summer classes.

## Traditional on-site instruction

Classes are offered at locations throughout southwest Missouri taught by MSU faculty, commuting to the sites, or by qualified instructors from the local community approved by academic departments as having areas of special expertise.

## Technology-based delivery systems

The distance learning strategy involves two major delivery systems: Interactive Video (BearNet) and iCourses.

### Interactive video (BearNet)

Technology-based courses may be offered via BearNet at the following sites:

- Cassville MO – Crowder College-Cassville Campus
- El Reno OK – Redlands Community College
- Hollister MO – Ozarks Technical Community College-

## Contact

**Administrator**

Dr. Joye Norris, Associate Provost for Access and Outreach

**Office**

300 S. Jefferson, Suite 400

**Phone**

417-836-4127

**Fax**

417-836-6016

**Email**

outreach@missouristate.edu

**Website**

http://outreach.missouristate.edu/

Table Rock Campus

- Joplin MO – Missouri State-Joplin Campus
- Lebanon MO – Ozarks Technical Community College-Lebanon Campus
- Miami OK – Northeastern Oklahoma A&M College
- Mountain Grove MO – Missouri State-Mountain Grove Campus
- Neosho MO – Crowder College-Neosho Campus
- Nevada MO – Crowder College-Nevada Campus
- Springfield MO – Kraft Administration Center
- Waynesville MO – Ozarks Technical Community College-Waynesville Campus
- West Plains MO – Missouri State-West Plains Campus

## iCourses

iCourses provide an opportunity for students to take required general education courses with minimal physical classroom attendance required. Learn more about iCourses.

## High School Dual Credit Program

Qualified high school students can receive both high school and college credit in specially approved classes offered at participating high schools. Learn more about high school dual credit.

# Personalized Minor

A student whose educational objectives cannot be best served by existing minors may design a personalized minor suited to individual needs. The student, after completing a minimum of 30 hours, must petition in writing the department head of the area in which the minor is to be taken. This petition is prepared in consultation with the student's advisor and the department of the minor; it includes a list of the proposed courses to be taken with a detailed statement of justification. The department head may accept or reject the petition. When the proposal is agreed upon by both the student and the department head, a personalized program is written and forwarded to the Office of the Registrar, Carrington Hall, room 320.

Download Personalized Minor Request form

# Pre-Professional Programs

The University provides prerequisite courses and degrees for students seeking entrance into professional schools. Students are regularly admitted to leading schools in all professional areas. Because admission to most professional schools is highly competitive, students are urged to work closely with an academic advisor on the selection of courses and the sequence in which they are to be taken. Although there are general guidelines for each profession, students should contact the professional program(s) they intend to pursue for specific admission criteria.

## Pre-engineering

The Department of Mathematics, the Department of Physics, Astronomy and Materials Science, and the collaborative Engineering Program share student advisement for all pre-engineering areas. Most students select a major in one of the two departments or continue on with our collaborative Engineering Program. Contact either department or the Engineering Program Office. For more pre-engineering options, visit the Pre-Engineering website.

## Pre-health professions

The University provides pre-professional education for a variety of health occupations. Some of these professional programs require the completion of a bachelor's degree while others encourage students to apply much earlier in their educational careers. Students may decide on any major area offered by the University, provided they complete the admission requirements for their chosen professional program. In those departments most heavily involved in providing the required academic background, special advisors have been trained for each of the various health areas. For more information, visit the Pre-Health Professions website.

## Pre-law

Pre-law students draw on courses, facilities, and services from throughout the University, but primarily those in the Colleges of Humanities and Public Affairs, Arts and Letters, and Business. Many professors have expertise in law-related subjects, teaching in areas such as political science, economics, history, philosophy, the sciences, and business administration, among others. The Academic Advisement Center, departmental pre-law advisors, and Phi Alpha Delta Pre-Law Club sponsored by the Department of Political Science, can assist, direct, and inform students seeking admission to law school. For more information, visit the Pre-Law website.

# Study Away Programs

## Eligibility requirements

In order to participate in an semester or year-long approved Study Away program, students must meet the following eligibility requirements: a minimum 2.5 cumulative GPA at the time of application, 30 credit hours of university coursework completed at the time of application, enrollment as a full-time student on the Springfield campus the semester prior, and good judiciary standing with the university. Additional eligibility requirements may apply depending on the program. Please contact Study Away Programs for further clarification. In order to participate on a short-term faculty-directed program, participants must be in good judiciary standing and obtain approval from the faculty program director.

## Receiving academic credit

Students participating on an approved Study Away program, where coursework is completed at a host institution, are eligible to transfer credit back to Missouri State University. All transfer coursework must be approved by the appropriate academic department head(s), and will transfer as pass/not pass.

Students expecting to transfer coursework from a host institution will be enrolled in study away placeholder (SAP) courses during the term they are abroad. Once Study Away Programs receives the official transcript from the host institution, a credit authorization memo will be issued to the Office of Admissions to authorize the credit transfer. Students who complete coursework abroad that is not approved by an academic department are eligible to transfer general elective credit, or GEN 000.

Short-term faculty-directed programs will be directly enrolled in corresponding Missouri State University courses during their time abroad. Missouri State University coursework will transfer

## Contact

**Director**

Elizabeth Strong

**Office**

Plaster Student Union, Suite 209

**Phone**

417-836-6368

**Fax**

417-836-6146

**Email**

StudyAway@missouristate.edu

**Website**

http://international.missouristate.edu/studyaway/

as letter grades.

## Use of financial aid

Students participating on approved study away programs are eligible to apply for all federal, state, and university financial aid, but participation in a program does not automatically increase financial aid eligibility. Most types of financial aid, however, can be applied to approved programs. Please contact Study Away Programs for further clarification.

## Program overview

Study Away Programs facilitates high quality academic programs to increase the cultural competence of the Missouri State community, while developing the global leaders of tomorrow. With hundreds of study abroad options to choose from, Missouri State University students can choose programs in 80+ different countries that run from one week up to a full academic year. Study away program options are facilitated by three campus departments: Study Away Programs, Study in China, and International Business Programs. Each administrative unit oversees specific program options that contribute to the collective portfolio of exciting study away options available to Missouri State University students.

Missouri State University offers a diverse portfolio of study away programs to meet the academic, financial, and personal needs of each student. The most basic types of study away programs are short-term faculty-directed, exchanges, and affiliate provider programs. Missouri State University students also have the option of requesting approval to pursue an independent study away program or an international academic experience (i.e. internship, practicum, service-learning, or research abroad).

The following section highlights Missouri State University's most popular study away offerings through Study Away Programs, International Business Programs, and Study in China. To learn about other available options, students are encouraged to contact Study Away Programs in Plaster Student Union 209.

## Short-term faculty-directed programs

Short-term faculty-directed programs offer global opportunities for personal and intellectual growth that match those gained in traditional semester- or year-long study away programs. These one- to six-week courses, led by MSU faculty members, provide an excellent way to gain domestic and international travel experience while earning MSU credit during intersessions, spring breaks and summers. Over 50% of MSU's Study Away participants choose short-term programs, making

these options Missouri State's most popular program type.

Some short-term faculty-directed programs offer "total immersion" experiences where students study with native speakers and live with host families. Short-term faculty-led participants may also have the opportunity to pursue a service-learning project or engage in field-specific research alongside an MSU faculty member. Previous Missouri State short-term faculty-directed program destinations have included: Spain, Italy, England, Scotland, France, Belgium, Greece, Israel, Jordan, Ecuador, Jamaica, and Ghana.

Students participating on a short-term faculty-directed program will be enrolled in a corresponding MSU course(s). Academic content and number of credit hours will vary by program. Students pay tuition for the course(s) and a program fee, which includes travel expenses, to Missouri State University. Financial aid may apply to the cost of tuition and fees. Current short-term faculty-directed program offerings are found on the Study Away Programs website.

## Semester and year-long programs

Semester and year-long study away opportunities are available through a variety of organization and partner institutions, including the International Student Exchange Program (ISEP), reciprocal exchange partners, and affiliate program providers. With some, participants pay Missouri State tuition and fees while attending the institution abroad. With others, participants pay the host institution's tuition and fees directly. Transfer of credit is arranged through the Study Away Programs office and financial aid can apply to the cost of tuition and fees. Further information on semester and year-long options can be found on the Study Away Programs website.

The International Student Exchange Program (ISEP) is a non-profit network of 300 member institutions in 45 different countries cooperating to provide affordable international educational experiences for a diverse student population. Through this program, students pay MSU tuition, room and board. The program allows for semester and year-long study in a variety of academic fields, offering courses taught in English, as well as other foreign languages.

Missouri State University partners with Federation University and the University of Tasmania to foster reciprocal exchange opportunities in Australia. These locations offer academic coursework in English with a cosmopolitan lifestyle and breathtaking natural environments. Through these programs, students pay MSU in-state tuition and fees to study for a semester or a year.

The Missouri London Program (MLP), sponsored by the Missouri Consortium for International Programs and Studies, provides students with an opportunity to study in London. This program offers students the opportunity to enroll at the University of Roehampton with fellow study abroad students and British peers.

Study Away Programs also partners with approved affiliate providers to offer an array of customized options that support individual academic or professional interests. Affiliate programs typically provide additional assistance throughout the application process and onsite support throughout the duration of the program. Affiliate providers can also assist students with additional needs such as finding an internship, setting up housing, or organizing excursions.

## International business programs

International Business Programs (IBP) offers business-focused study away options to all undergraduate and graduate students. Most classes are taught in English, but language courses are also an option for students who wish to enhance their foreign language proficiency. IBP facilitates the Magellan Exchange Program and the reciprocal exchange with Blaise-Pascal University in France. Transfer of credit is arranged through the International Business Programs office and the financial aid can apply to the cost of tuition and fees. Further information on semester and year-long options can be found on the International Business Programs website.

The Magellan Exchange offers study abroad opportunities for students at dozens of locations outside of the U.S., including South Korea, Costa Rica, Germany, and Finland. Students are fully immersed in the educational and social life of the host country. Each participating university offers courses in English and students can attend for a semester or full year. Many of the schools also offer summer programs. This exchange allows students to pay MSU tuition and fees.

The College of Business also participates in an exchange program with Blaise-Pascal University (BP) in France, located in the beautiful region of the Auvergne. All courses are taught in English at its campus in the town of Vichy, and students who study a full academic year can earn a diploma in International Business with French or International Studies with French. BP also has a larger campus in the city of Clermont-Ferrand, where all courses are taught in French. The exchange is primarily directed towards business students, but classes taught in English at the Vichy campus are appropriate for other majors also. This exchange allows students to pay MSU tuition and fees.

## Study in China programs

The purpose of the Missouri State University Study in China Program is to increase cultural and educational exchanges and to promote friendship and understanding between the United States and China. Missouri State University offers many opportunities for students to study in China with or without a Chinese language requirement. Offered through the Office of the Vice President for Research and Economic Development and China Programs, the most popular Study in China programs allow students to choose options in the cities of Dalian, Qingdao, Zhengzhou, or Haikou. At these campuses, a variety of program offerings have been developed to address the diverse needs of students and their academic focus. The transfer of credit is arranged through the China

Programs office and financial aid can apply to the cost of tuition and fees. Information is available by visiting the China Programs website, and students are encouraged to contact Tami Sutton in Carrington Hall, Suite 210.

# University Course Offerings

## Course codes for disciplines

### A

AAS - African American Studies

ACC - Accounting

AGB - Agricultural Business

AGC - Agricultural Communications

AGE - Agricultural Education

AGN - Agricultural Natural Resources

AGP - Agricultural Plant Science

AGR - Agriculture, General

AGS - Animal Science

AGT - Technology Education

AGV - Agricultural Vocational

ANE - Anesthesia, Nurse

ANT - Anthropology

ARB - Arabic

ART - Art

AST - Astronomy

ATC - Athletic Training

### B

BIO - Biology

BMS - Biomedical Sciences

BUS - Business

### C

CFD - Child and Family Development

CHI - Chinese

CHM - Chemistry

CIS - Computer Information Systems

CLS - Child Life Studies

COU - Counseling

CRM - Criminology

CSC - Computer Science

CSD - Communication Sciences and Disorders

COM - Communication

## D

DAN - Dance

DAS - Disabilities Studies

DES - Design

DSS - Defense and Strategic Studies

DTN - Dietetics and Nutrition

## E

EAD - Educational Administration

ECE - Early Childhood Education

ECO - Economics

EDC - Education, General (Teaching)

EDD - Educational Leadership

EDT - Educational Technology

EEM - Early Childhood and Elementary Education

EGR - Engineering

ELE - Elementary Education

ENG - English

## F

FCS - Family and Consumer Science

FIN - Finance

FMD - See MFD

FRN - French

## G

GBL - Global Studies

GEO - Geospatial Sciences

GEP - General Education Program

GER - Gerontology

GLG - Geology

GRD - Graduate College

GRK - Greek

GRM - German

GRY - Geography

GST - Gender Studies

## H

HBW - Hebrew

HCM - Health Care Management

HID - Housing and Interior Design

HLH - Health

HSP - Hospitality Leadership

HST - History

## I

IDS - Interdisciplinary Studies

INS - Insurance

IPE - Interprofessional Education

ITL - Italian

## J

JPN - Japanese

JRN - Journalism

## K

KIN - Kinesiology

KOR - Korean

## L

LAW - Law

LIS - Library Science

LLT - Language and Literature

LTN - Latin

## M

MAT - Materials Science

MCL - Modern and Classical Languages

MED - Media

MFD - Merchandising and Fashion Design

MGT - Management

MID - Middle School Education

MIL - Military Science

MKT - Marketing

MST - Museum Studies

MTC - Medical Technology

MTH - Mathematics

MUS - Music

## N

NRS - Nursing-RN Completion Program

NUR - Nursing

## O

OTE - Occupational Therapy

OZK - Ozarks Studies

## P

PAS - Physician Assistant Studies

PBH - Public Health

PHI - Philosophy

PHY - Physics

PLN - Planning

PLS - Political Science

PSY - Psychology

PTE - Physical Therapy

PTG - Portuguese

## Q

QBA - Quantitative Business Analysis

## R

RAD - Radiography

RDG - Reading

REC - Recreation, Sport, and Park Administration

REL - Religious Studies

RTH - Respiratory Therapy

RUS - Russian

## S

SAE - Student Affairs in Higher Education

SCI - Science Education

SEC - Secondary Education

SFR - Secondary Education, Foundations,

SOC - Sociology

SPE - Special Education

SPN - Spanish

SWK - Social Work

and Research

## T

TCM - Technology and Construction Management

THE - Theatre

## U

UHC - Honors College

# Colleges and Academic Units

## Colleges

Missouri State has seven academic colleges and one Graduate College. These units comprise the overall structure of the University's academic programs.

College of Arts and Letters

College of Business

College of Education

College of Health and Human Services

College of Humanities and Public Affairs

College of Natural and Applied Sciences

Graduate College

William H. Darr College of Agriculture

## Academic units

### A

Accountancy, School of

Agribusiness, Agricultural Education and Communications Department

Animal Science Department

Area Studies Programs

Art and Design Department

### B

Biology Department

Biomedical Sciences Department

### C

Chemistry Department

Childhood Education and Family Studies Department

Communication Department

Communication Sciences and Disorders Department

Computer Science Department

Counseling, Leadership and Special

Education Department

Criminology and Criminal Justice Department

**D**

Defense and Strategic Studies Department

**E**

Economics Department

Engineering Program

English Department

Environmental Plant Science and Natural Resources Department

**F**

Finance and General Business Department

**G**

Geography, Geology and Planning Department

Global Studies Program

Graduate College

Greenwood Laboratory School

**H**

History Department

Honors College

Hospitality Leadership Department

**I**

Interdisciplinary Studies Programs

**K**

Kinesiology Department

## L

Library Science Department

Linguistics Program

## M

Management and Information Technology Department

Marketing Department

Mathematics Department

Media, Journalism & Film Department

Merchandising and Fashion Design Department

Military Science Department

Modern and Classical Languages Department

Music Department

## N

Nursing, School of

## O

Occupational Therapy Department

## P

Philosophy Department

Physical Therapy Department

Physician Assistant Studies Department

Physics, Astronomy and Materials Science Department

Political Science Department

Psychology Department

Public Health Program

## R

Reading, Foundations and Technology Department

Religious Studies Department

## S

Social Work, School of

Sociology and Anthropology Department

Sports Medicine and Athletic Training Department

## T

Technology and Construction Management Department

Theatre and Dance Department

# College of Arts and Letters

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Art (BFA, Minor)

Art and Design (BA)

Art and Design Education (BSEd)

Art History (BA, Minor)

Chinese (Minor)

Classics-Concentration in Ancient Greek (Minor)

Classics-Classical Humanities Concentration (Minor)

Classics-Latin Concentration (BA, Minor)

Communication (BA, BS, Minor)+

Conflict and Dispute Resolution (Certificate)

Creative Writing (Minor)

Dance (BS, Minor)

Design (BFA, Minor)

Electronic Arts (Art and Design - BS)+

Electronic Arts (Media, Journalism & Film - BS)+

Mass Media (BS) *Options: Digital Film Production, Media Production*+

Modern Language (BS) *Options: Applied Business, Second Language, Teacher Certification, Translation*

Modern Language *(BS) Minor Required*

Museum Studies (Minor)

Music (BA, BS)

Music, Bachelor of (BMus)
*Options: Composition, Instrumental Performance, Jazz Performance, Keyboard Performance, Vocal Performance*

Music-Instrumental (BME)

Music-Vocal/Choral (BME)

Music (Minor)

Music Composition (Minor)

Musical Theatre (Music Department - BFA)

Musical Theatre (Theatre and Dance Department - BFA)

Press Politics (Certificate)

English (BA, BS, Minor)

English Education (BSEd)

English for Speakers of Other Languages (ESOL) (Minor)

Ethical Leadership (Minor)

Film Studies (Minor)

Folklore (Minor)

French (Minor)

German (Minor)

Global Studies (BA)

Japanese (Minor)

Journalism (BS, Minor)

Linguistics (Minor)
Interdisciplinary program offered by College of Arts and Letters and Department of Sociology and Anthropology

Mass Media (BA, BS, Minor)

Professional Writing (BA, BS)

Public Relations (BS)

Recording Arts (Minor)

Screenwriting (Minor)

Socio-Political Communication (BS)

Spanish (Minor)

Speech and Theatre Education (Communication Department - BSEd)

Speech and Theatre Education (Theatre and Dance Department- BSEd)

Teaching English to Speakers of Other Languages (Minor)

Technical Writing (Minor)

Theatre (BA, BS, Minor)

Theatre and Dance (BFA)

Writing (Minor)

Writing for Television and Film (Certificate)

## Graduate

Applied Second Language Acquisition (MASLA)

Communication (MA)

Conflict and Dispute Resolution (Certificate)

English (MA)

Fine Arts, Visual Studies (MFA)

Music (MM)

Secondary Education with option in Art (MSEd)

Secondary Education with option in English (MSEd)

Teaching English to Speakers of Other Languages (Certificate)

Teaching of Writing K-12 (Certificate)

Ozarks Studies (Certificate)

Screenwriting for Television and Film (Certificate)

Writing (MA)

Courses are offered toward the options in Applied Communication and Producing and Screenwriting within the Professional Studies program (MPS)

## Centers for Research and Service

### Center for Dispute Resolution

The Center for Dispute Resolution provides and supports several services and programs: Basic and Advanced Mediation Trainings; Presentations, Workshops, and Consultations; Facilitation Services; Certificate Programs in Conflict and Dispute Resolution; Mediation Referrals and Services; Victim-Offender Mediation Programs; Educational/Research Services; and Community Programs.

### Missouri Fine Arts Academy

The Missouri Fine Arts Academy is a three-week summer residential program for highly motivated student artists in visual arts, theatre, dance, creative writing, and music. The Academy offers an intensive schedule of classes in interdisciplinary and discipline-specific arts, and a wide range of co-curricular activities. The Academy is conducted with the support and cooperation of Missouri State University, and is funded through program fees, endowments, scholarships, and private donations.

### Ozarks Studies Institute

The Ozarks Studies Institute seeks to preserve the heritage of the Ozarks, its culture, environment, and history by fostering a comprehensive knowledge of Ozarks' peoples, places, characteristics and dynamics. The Institute publishes *OzarksWatch* magazine; supports the Ozarks Studies Program

## Contact

**Interim dean**

Shawn T. Wahl, PhD

**Associate dean**

Mark Biggs, MA

**Office**

Craig Hall, Room 106

**Phone**

417-836-5247

**Fax**

417-836-6940

**Email**

CollegeOfArtsAndLetters@MissouriState.edu

**Website**

coal.missouristate.edu

and academic minor; and sponsors a major annual festival, the Ozarks Celebration, as well as speakers, professional conferences, and workshops.

## School of Communication Studies

The School of Communication Studies encompasses the Department of Communication and Department of Media, Journalism & Film. The heads of these departments serve as co-directors of the school to facilitate a number of joint ventures and activities in which both departments participate.

# Department of Art and Design

## Programs

### Undergraduate

Art (BFA, Minor)

Art and Design (BA)

Art and Design Education (BSEd)

Art History (BA, Minor)

Design (BFA, Minor)

Electronic Arts (BS)

Museum Studies (Minor)

### Graduate

Fine Arts, Visual Studies (MFA)

Secondary Education with an option in Art (MSEd)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Art and Design (BSEd); Secondary Education/Art (MSEd)
- Council for the Accreditation of Educator Preparation – Art and Design (BSEd); Secondary Education/Art (MSEd)

## General information

### Waiver of ART 100

## Contact

**Interim department head**

Vonda Yarberry, MFA

**Office**

Brick City (building 1), 327 W. Mill St, Suite 100

**Phone**

If an entering freshman feels that his/her art background is strong enough to permit a waiver of ART 100, Two Dimensional Design, application should be made to the Departmental Head. A portfolio will then be submitted, a written examination will be administered, and an interview will be conducted by a faculty committee of three. The waiver examination and an interview is given at 12:00 p.m. on the first day of class each semester. Application forms must be secured from the Art and Design Office prior to the examination date. At that time the student is given further information about the waiver.

## Facilities and Resources

Brick City, the Art and Design Complex, is a recently renovated group of historic buildings in close proximity to the thriving downtown arts community and part of the MSU Idea Commons. The newly renovated spaces at Building 1 (BRK1) house the Department's main offices at Brick City 1, Room 100 and the Visual Resources Collection. The first floor of Building 1 also houses the department's Ceramics program, the Printmaking studios, as well as the Art Store and critique space. The second floor houses the facilities for Photography, Metals and Jewelry studios, and the Brick City Design Studio. The third floor is home to various computer labs and lighting studios that serve the Graphic Design and Illustration program, Animation, and Digital Arts, and as well as the Art History lecture hall and facilities, This building also accommodates the studios and classroom spaces for Ceramics, Printmaking, Graphic Design and Illustration, Animation, Digital Arts, Photography, and Art History.

Next door, Buildings 3 and 4 contain extensive studio facilities for Two- and Three-Dimensional Foundations studies, Drawing, Painting, Sculpture, and Art Education. These buildings also house the East and West Brick City Galleries: Exhibitions change monthly during the school year. Each year the exhibition schedule includes shows by distinguished artists and designers who are internationally, nationally and regionally known. Faculty exhibitions are scheduled bi-annually. Additionally, Building 5 serves as photography lighting studios. Student work is displayed within the Brick City facilities throughout the year.

417-837-2330

**Fax**

417-837-2350

**Email**

ArtandDesign@missouristate.edu

**Website**

art.missouristate.edu

The Student Exhibition Center—a converted Victorian two-story building—contains exhibitions of student work that change monthly during the school year. Each year the exhibition schedule also includes a Foundations Show and Senior Design Show. Additional shows may vary from year to year. The SEC is located near the main campus on historic Walnut Street and John Q. Hammons Parkway.

The Duane G. Meyer Library maintains an extensive collection of art and design periodicals as well as books relating to art and design history

Department Office: 327 West Mill Street (the corner of North Campbell Street), Room 100, 417-837-2330

Brick City Galleries: 215 W. Mill St., 417-836-6794

Student Exhibition Center: 838 E. Walnut St., 417-836-6999

# Art and Design Faculty

## Professors

Keith A. Ekstam, MFA

Billie Follensbee, PhD

Sharon R. Harper, MFA

Catherine J. Jolivette, PhD

Cedomir Kostovic, MFA

Sean Lyman, MFA

Eric Pervukhin, MFA

Gwen Walstrand, MFA

Bruce West, MFA

Steve Willis, PhD

Vonda Yarberry, MFA

## Associate professors

Jimmie Allen, MFA

Jacek Fraczak, MFA

Marcus Howell MFA

Kevin Hughes, MFA

Mitzi Kirkland-Ives, PhD

Duat Vu, MFA

## Assistant professors

Joshua R. Albers, MFA

Deidre L. Argyle, MFA

Fatih Benzer, EdD

Cole B. Closser, MFA

Maria N. Gerasimchuk-Djordjevic, MFA

Bryan C. Jennings, MFA

Jin A. Seo, MFA

Sarah K. Williams, MFA

## Senior instructor

Iwona Zalewski-Duszek, MFA

## Instructor

Robin Lowe, MFA

## Emeritus faculty

Bill H. Armstrong, MFA

Alan H. Brown, MFA

Carolyn L. Cardenas, MFA

John Careggio, MFA

Roman Duszek, MFA

Judith Fowler, MFA

Rodney S. Frew, MFA

Jerry Hatch, MFA

Thomas S. Kinsey, MEd

Maria M. Michalczyk, MFA

Sarah Perkins, MFA

David Quick, PhD

Dianne Strickland, PhD

Wade S. Thompson, MFA

Hugh Yorty, MFA

Missouri State

Office of the Registrar

Undergraduate Catalog



# Art and Design Courses

## Art (ART) courses

**ART 98 Topics in Art and Design**

A variable content course consisting of lectures and/or studio projects. Cannot be used to fulfill a major requirement in the Art and Design Department. May be repeated to a total of 6 hours.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ART 100 2D Design**

An introduction to the study of the elements of art and the principles of design relating to the formal and conceptual organization of the two-dimensional surface. The instructional process includes lecture, critique, and supervised studio practice.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 101 Three-Dimensional Design**

An introduction to the study of the elements of art and principles of design using a variety of materials, techniques, forms, and concepts relating to the organization of three-dimensional space. Instructional process includes lecture, critique, and supervised studio practice, along with emphasizing how to handle equipment and tools properly.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 110 Introduction to New Media**

An introduction to new media, this course will address formal and conceptual image-making within the digital arts spectrum. The instructional process focuses on studio practice, development of technical skill, and introduction to digital art, new media/electronic art, and time-based arts as the three main components of the course. The instructional process includes lecture, critique, and supervised studio practice.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 115 Drawing I**

Basic elements and principles of drawing. A problematic approach to the process of seeing and drawing through an applied investigation of natural and man-made forms.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 200 Art in Context**

*General Education Course (Focus on the Arts).*

In this art appreciation course students will learn how to look at objects of art and to appreciate the value such objects hold in society. This course introduces the elements of art and the principles of design and is intended to enhance an interest, appreciation, and understanding of the visual arts in the context of their cultures. Does not count toward fulfilling any requirement for majors or minors in the Department of Art and Design.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ART 202 Intermediate Design**

*Prerequisite: ART 100 and ART 101 and ART 115.*

A presentation in greater depth of major theories of art and design with emphasis on color theory and systems. Structured studio design problems applying and investigating such theories.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 210 Introduction to Digital Arts**

*Prerequisite: ART 100 and ART 110.*

Exploration of digital art forms, focusing on the interrelationship of the digital technology on art and culture. The goal of the course is to weave technical skills into creative vision.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 212 Ceramics I**

An introduction to handbuilding, wheel and firing processes, including raku. Fundamentals of ceramic materials, equipment, and preparation of clay and glazes.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 215 Drawing II**

*Prerequisite: ART 115.*

Continuation of drawing fundamentals in greater depth and exploration of additional media.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 223 Metals-Jewelry I**

Introduction to non-ferrous metal fabrication processes including piercing, soldering and finishing. Fundamentals of tools, materials, and jewelry concepts.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 225 Painting I**

*Prerequisite: ART 100 and ART 115 and ART 215.*

Basic investigation of materials, techniques, and visual concepts important to the process of painting. Emphasis on understanding visual elements through work which includes study from the still-life and model.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 226 Watercolor for the Non-Art Majors**

To acquaint the student with the essential characteristics of the materials used in watercolor painting and to familiarize the student with the techniques used in applying transparent pigment to various prepared surfaces. This course will not fulfill the requirements for a major or a minor in art.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 230 Computer Animation I**

*Prerequisite: ART 100 or ART 110.*

Exploration of visual expression through the use of sequential images. Experience with a wide range of digital processes.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**ART 235 Sculpture I**

*Prerequisite: ART 101.*

Development of fundamental and personal concepts concerning subject matter as related to sculpture. Experience with a wide range of media and techniques.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 242 Printmaking I**

*Prerequisite: ART 100 and ART 115 and ART 215.*

Beginning problems in printmaking.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 243 Relief Print**

*Prerequisite: ART 215.*

An exploration of the relief processes through the mediums of linocut and woodcut.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**ART 253 Fibers**

*Prerequisite: ART 100.*

Introduction to two and three-dimensional fiber techniques and structures. Emphasis will be placed on using a variety of techniques in the execution of assigned problems. Experimental use of materials will be encouraged. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**ART 255 Photography I**

Introduction to photography as visual expression.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 271 History of Western Art I**

*General Education Course (Focus on Humanities).*

A survey of Western art and the cultures that produced it from Prehistory through the Gothic period.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ART 272 History of Western Art II**

*General Education Course (Focus on Humanities).*

A survey of Western art and the cultures that produced it from the Gothic Period to the Second World War.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ART 273 Survey of the Art of Africa, Oceania, and the Americas**

*General Education Course (Focus on Humanities).*

A survey of the art and architecture produced by the cultures of Africa, Oceania, and the Americas.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ART 274 Survey of Asian Art**

*General Education Course (Focus on Humanities).*

A survey of the art objects and the cultures which produced them, primarily those of India, China, and Japan.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ART 300 Fundamentals of Collaboration in Electronic Arts**

*Prerequisite: permission of the instructor based on passing Candidacy Review in Electronic Arts.*

Exploration of aesthetic and communication issues involved in producing work in interdisciplinary electronic media.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**ART 301 Introduction to Video Game Design**

*Prerequisite: 30 hours; and eligible for Writing II; and permission of instructor.*

An introduction to the main elements of video game design (including setting, story, goals, narrative, mechanics, and level design) and the structure and responsibilities of a game development team. The emphasis will be on game designs that could be implemented by a small team within one year. Students will design a game and create a design document. Identical with CSC 301. Cannot receive credit for both ART 301 and CSC 301.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 302 Introductory Video Game Development for Artists and Animators**

*Prerequisite: ART 301 or CSC 301; and ART 330.*

Hands-on introduction to video game development software, emphasizing the process to prepare and import 3D assets from previously learned software packages. Students may collaborate with CSC 303 students to experience industry-typical workflow between designers, artists and programmers.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ART 310 Time-Based Digital Arts**

*Prerequisite: ART 210.*

This course explores video art, focusing on production and theory with an emphasis on creative expression. Alternative means of moving image can be explored as well. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**ART 312 Ceramics II**

*Prerequisite: ART 101 and ART 212.*

A continued investigation of the potter's wheel as a tool to create ceramic forms. Greater exploration of surface enhancement materials, and processes including basic glaze chemistry and firing operations. Evidence of expanded individuality in the understanding of advanced technique and sensitivity to form expected.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 313 Ceramics III**

*Prerequisite: ART 312.*

Advanced studio and firing responsibilities. Must be repeated to a total of 6 hours. The first three credit hours: a continued investigation of hand-building techniques as a way to create ceramic forms and exploring further development of surface treatments. When repeated, the second three credit hours: advanced problems associated with clay and form and surface treatment. Evidence of expanded individuality in the understanding of advanced technique and sensitivity of form expected. Must be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 314 Special Topics in Ceramics**

*Prerequisite: ART 212.*

Specialized studies in ceramics to include subjects in such areas as raku, salt firing, kiln building, glaze formulations, handbuilding, etc. Subject of course to be selected by the instructor. May be repeated to a total of 12 hours when course content changes. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**ART 315 Drawing III**

*Prerequisite: ART 215.*

Problems of greater visual and conceptual complexity. More emphasis given to development of individual qualities. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 316 Life Drawing**

*Prerequisite: ART 215.*

Drawing the human figure with emphasis on anatomy, structure, and form. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 320 Graphic Narrative**

*Prerequisite: ART 115 or permission of instructor.*

Intermediate study in the literature and technique of graphic narrative and practical experience in writing and illustrating comics. Identical with ENG 316. Cannot receive credit for both ART 320 and ENG 316.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ART 322 Jewelry and Metalsmithing**

*Prerequisite: ART 101 and ART 223.*

Further exploration of metal fabrication processes. Introduction to jewelry scale casting and to silversmithing techniques.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**ART 323 Jewelry, Metals, and Enameling**

*Prerequisite: ART 101 or concurrent enrollment; and ART 223.*

Further exploration of metal fabrication and smithing processes. Introduction to enameling and other color techniques on metal.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**ART 324 Metals and Jewelry III**

*Prerequisite: ART 322 and ART 323.*

Advanced problems in metals. Greater exploration of materials and techniques with an emphasis on individual problem-solving. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 325 Painting II**

*Prerequisite: ART 225.*

Problems of greater visual and conceptual complexity. More emphasis given to development of individual qualities. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 326 Painting with Water-Based Media**

*Prerequisite: ART 225.*

A course which introduces and explores one or more water-based media such as watercolor, gouache, casein and acrylic. Media emphasis to be determined by the instructor. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 330 Computer Animation II**

*Prerequisite: ART 230.*

Further exploration of visual expression in animation. Advanced techniques in the manipulating of forms and animation. Advanced techniques in the manipulating of forms and surfaces within the digital 3D environment.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**ART 331 Computer Animation III**

*Prerequisite: ART 330 and permission of instructor.*

Priority will be given to those students who have successfully completed the Computer Animation Emphasis Candidacy Review for the BFA in Art or the BS in Electronic Arts. Further exploration of visual expression in animation. Advanced techniques in animating within the digital 3D environment.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**ART 335 Sculpture II**

*Prerequisite: ART 235.*

Individual problems and concepts in organizing mass and space utilizing a range of techniques and media, including metal casting and welding, carving, plastics, and fibers. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 336 Figure Modeling**

*Prerequisite: ART 100 and ART 101 and ART 215.*

Modeling the human figure with emphasis on anatomy, structure and form by exploring the usage of clay, wax or plaster. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**ART 342 Printmaking II**

*Prerequisite: ART 242.*

Advanced problems in printmaking. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 343 Lithography**

*Prerequisite: ART 242.*

Exploration of stone lithography as an expressive means toward creating hand-pulled prints. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**ART 354 Medium Format Photography**

*Prerequisite: ART 255.*

An investigation of technical and aesthetic issues of medium format photography. Emphasis on the development of expressive photographic images.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 355 Large Format Photography**

*Prerequisite: ART 255.*

An investigation of technical and aesthetic issues of large format photography. Emphasis on the development of expressive photographic images.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 356 Color Photography**

*Prerequisite: ART 255.*

An investigation of technical and aesthetic issues of color photography. Emphasis on the development of expressive photographic images.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 357 Special Topics in Photography**

*Prerequisite: ART 255 and permission.*

Alternative photographic approaches to broaden the photographic experience. Subject of course to be selected by the instructor. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**ART 358 Studio Photography**

*Prerequisite: ART 355 and ART 359.*

An investigation of technical, aesthetic, and conceptual issues of studio photography with emphasis on the portrait and the still-life.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**ART 359 Digital Photography**

*Prerequisite: ART 356.*

An investigation of technical and aesthetic issues of digital photography including the use of a digital camera, film scanning, software, and digital output. The development of expressive photographic images, an exploration of the potentials of the medium, and the evolution of a body of work are emphasized.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**ART 360 Introduction to Art Education**

*Prerequisite: ART 100 and ART 101 and ART 215.*

Introduction to the field of art education and the role of visual arts in education; survey of issues, theories, and trends; review of content, materials, and approaches through discussion, research, studio experiences, critical writing, observation of classes, and analysis of models for teaching art in elementary and secondary schools.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**ART 366 Elementary Art Education**

*Prerequisite: ART 360.*

Overview of artistic growth of children; survey of philosophies, issues, methods, materials, resources, processes, and strategies for teaching art and integrating it into the school curriculum; unit and lesson planning, assessment, and evaluation. Lecture, discussion, studio, and classroom observations. Credited only for BSEd.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**ART 374 Art of India**

*Prerequisite: ART 274.*

Survey of the major art and architecture monuments of India and the cultural context from which they were produced.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 377 History of Graphic and Applied Design**

*Prerequisite: ART 271 or ART 272 or ART 274.*

An historical and critical examination of design from its beginnings to the present with emphasis on communication design in the industrial and post-industrial periods. Will not count as Art History elective for the BFA in Art.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ART 378 Women and Art**

*Prerequisite: ART 271 or ART 272.*

The course examines women's roles and contributions in the history of art and culture. May be counted toward the Gender Studies minor.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 381 The Art of the United States of America**

*Prerequisite: ART 272.*

The art of the United States from its pre-Revolutionary days to the present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 382 Survey of Islamic Art**

*Prerequisite: ART 271 or ART 273 or ART 274.*

A survey of the art produced in the lands under the influence of the Islamic religion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 385 Art of the Americas**

*Prerequisite: ART 273.*

A survey of the art and architecture of North America, Mesoamerica, Central America, and South America and the cultures that produced it.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 386 Art of Africa**

*Prerequisite: ART 273.*

A survey of the art and architecture of Africa and the cultures that produced it.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 387 History of Photography**

*Prerequisite: ART 272.*

The development and history of photography as an artistic medium.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 388 The Museum: History and Perspectives**

*Prerequisite: ENG 110 and permission of instructor.*

This course offers a broad introduction to the museum as a cultural site and museum studies as a discipline with focus on theoretical issues. Identical with MST 388. Cannot receive credit for both ART 388 and MST 388.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 390 Art History Teaching Assistant**

*Prerequisite: permission of instructor.*

Under the direct guidance of the professor, the student will assist the professor in teaching, supervising, and/or grading course materials. May be repeated to a total of 3 hours. Graded Pass/Not Pass only. Does not count toward the BA or BSEd in Art and Design or BFA in Art or BFA in Design.

**Credit hours:** 0-1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ART 399 Individual Instruction**

*Prerequisite: senior or postbaccalaureate standing; 12 sequential hours in same studio area and permission of instructor.*

Independent work on special projects approved by studio advisor. Repeatable to a total of 6 hours in any studio area.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 401 Teaching of Art**

*Prerequisite: ART 366; and EDC 350 or concurrent enrollment; and admitted to teacher education program.*

Artistic and aesthetic growth of adolescents; survey of philosophies, issues, methods, materials, resources, processes, and strategies for teaching art in secondary schools; observation; unit and lesson planning; microteaching. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take ART 490 or ART 491. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**ART 407 Art Internship**

*Prerequisite: permission of instructor.*

Student will complete actual job assignments while working for outside organizations under the supervision of an art faculty member. May be repeated to a total of 6 hours. Graded Pass/Not Pass only.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ART 410 Seminar in Digital Arts**

*Prerequisite: ART 310.*

Advanced research in digital arts, with emphasis on developing personal vision. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 425 Painting III**

*Prerequisite: ART 325.*

An advanced-level course utilizing a combination of structured and self-directed approaches. Students will continue to develop formal skills and will be encouraged to explore issues of content and visual aesthetics, while developing an individual point-of-view. Repeatable up to 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 430 Computer Animation IV**

*Prerequisite: ART 331.*

Individual problems in animation and advanced techniques. Emphasis will be placed on the development of a personal point of view.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**ART 431 Professional Practices in Computer Animation**

*Prerequisite: ART 430.*

Lecture, discussion and assignments for students seeking careers in computer animation. Presentation skills will be emphasized. Students will be required to write and perform research, as well as continue to develop their portfolio.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**ART 432 Computer Animation V**

*Prerequisite: ART 431.*

Individual portfolio development in animation. Emphasis will be placed on the development of a personal point of view. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 454 Digital Photography II**

*Prerequisite: ART 359.*

A continued investigation of technical, aesthetic, and conceptual issues of digital photography including advanced approaches to image processing, the use of smart objects, masking, compositing, quadtone printing, selective sharpening, and additional software developments deemed relevant to current practices. The development of expressive photographic images, an exploration of the potentials of the medium, and the evolution of a body of work are emphasized.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**ART 455 Advanced Photography Seminar**

*Prerequisite: 12 hours in emphasis and permission of the instructor.*

Pursuit of advanced photographic projects. Emphasis on development of personal vision. A study of historical and contemporary critical issues in photography. Must be taken at least once with ART 499. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 460 Critical Studies in Art Education**

*Prerequisite: ART 366 and ART 401.*

Review of theories and issues concerning the study of aesthetics, art history, and art criticism in art education; survey of methods; observation of various models; generation of materials, resources, and strategies for implementation; teaching experiences utilizing strategies.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**ART 466 Art Education Practicum**

*Prerequisite: 30 hours of Art and ART 366 and ART 401.*

Observation and classroom teaching experiences; writing unit and lesson plans; classroom motivation, management, and discipline; evaluation and exhibition of student art work; ordering supplies and equipment.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**ART 469 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ART 472 Medieval Art**

*Prerequisite: ART 271.*

Painting, sculpture, and architecture of Europe from the fourth century through the fourteenth century. The course emphasizes the development of a distinctly European art and culture. May be taught concurrently with ART 672. Cannot receive credit for both ART 472 and ART 672.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 474 Classical Art**

*Prerequisite: ART 271.*

A survey of the art and architecture of Greece and Rome including the art of Crete and Mycenae.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 475 Art of the Renaissance**

*Prerequisite: ART 272.*

A survey of painting, sculpture, and architecture in Europe from 1300-1575. May be taught concurrently with ART 675. Cannot receive credit for both ART 475 and ART 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 478 Baroque Art**

*Prerequisite: ART 272.*

The major figures and developments in art and architecture from Mannerism through the Rococo in Italy and Northern Europe. May be taught concurrently with ART 678. Cannot receive credit for both ART 478 and ART 678.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 479 19th Century Art**

*Prerequisite: ART 272.*

The major figures and developments in art and architecture from Neo-Classicism through the end of the century in Europe.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 480 Modern Art**

*Prerequisite: ART 272.*

A study of the objects, artists, ideas, and movements which are a part of the modern and late modern tradition from the mid 19th Century through the period following the Second World War. May be taught concurrently with ART 680. Cannot receive credit for both ART 480 and ART 680.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ART 483 Modern Architecture and Urban Forms**

A survey of the historical, social, political, economic and technological forces that have shaped the forms and styles of architecture and cities from the time of the Industrial Revolution to the present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 484 Contemporary Art**

*Prerequisite: ART 272.*

This course will emphasize the issues raised during the transition to "Post-Modern" culture in the last decades of the 20th Century and the beginning years of the 21st Century. The approach and the assignments will employ theoretical and critical as well as historical thinking. May be taught concurrently with ART 684. Cannot receive credit for both ART 484 and ART 684.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 485 Art of Mesoamerica**

*Prerequisite: ART 273.*

The art and architecture of Mesoamerica and the cultures that produced it. May be taught concurrently with ART 685. Cannot receive credit for both ART 485 and ART 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 488 Basic Conservation of Art and Artifacts**

*Prerequisite: relevant Art History survey course (ART 271, 272, 273 or 274) and permission of instructor.*

This course combines advanced art historical study and research of art and artifacts with a hands-on introduction to basic conservation techniques. Identical with MST 488. Cannot receive credit for both ART 488 and MST 488. May be taught concurrently with ART 688. Cannot receive credit for both ART 488 and ART 688.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ART 490 Supervised Teaching (Secondary Art and Design)**

*Prerequisite: completion of all method courses in Art Education; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in ART 491.*

Student observes then teaches art classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ART 491 Supervised Teaching (Elementary Art and Design)**

*Prerequisite: concurrent enrollment in ART 490.*

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. Student participates in the program exit exhibition, "Students of Students Show". In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ART 492 Art and Theory**

*Prerequisite: 6 hours of art history at the 300- or 400- level; and permission of instructor.*

This course will introduce students to a range of critical art theories from the late 19th Century through the 21st Century, addressing what has been thought and written about art from various perspectives. Public Affairs Capstone Experience course. May be taught concurrently with ART 692. Cannot receive credit for both ART 492 and ART 692.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 494 Independent Study in Art History**

*Prerequisite: appropriate survey course (ART 271 or ART 272 or ART 273 or ART 274); and permission of instructor.*

Individual projects and special problems in Art History. Permission granted only in special circumstances. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 495 Internship in Art History**

*Prerequisite: permission of instructor.*

Students will complete various duties as assigned with a variety of art history-related organizations. These areas include local museums, galleries, and/or visual resource-media collections. Variable content course. May be repeated to a total of 6 hours. Graded Pass/Not Pass only.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ART 496 Selected Topics in Art History**

*Prerequisite: permission of instructor.*

The specific topics will change from semester to semester depending upon the interest of students and professors, e.g. German Expressionism, History of Photography, The School of Paris, Cubism and its Progeny, Pre-Columbian Art in North America. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 497 Selected Topics in Art and Design**

*Prerequisite: ART 100 and ART 101 and permission of instructor.*

Advanced problems involving the application of art and design fundamentals in either two or three dimensional projects will be explored. May be repeated to a total of 9 hours when course content changes. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ART 498 Senior Project in Electronic Arts**

*Prerequisite: ART 300 and permission of instructor.*

Admission to this course is contingent upon the successful completion of the Electronics Arts junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review. Under advisement from faculty, EA students will form production teams consisting of computer animation, video, interactive new media and audio studies students. Each team will produce a broadcast-quality project over two semesters. The first semester will be spent in pre-production preparations for the approved senior project. The second semester will involve production and post-production of the approved project. This course must be repeated in sequence for a total of six hours across a single academic year. Identical with MED 498. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**ART 499 Senior Exhibition**

*Prerequisite: senior standing; and completion of BFA Candidacy Review; and 3.00 GPA in the art studio BFA emphasis area; and permission of studio advisor.*

Must be taken concurrently with upper division course in area of emphasis. Presentation of work from area where the majority of art course work has been taken. This work must evidence the attainment of a level of conceptual and technical maturity judged by a committee of the art studio faculty to meet qualitative standards required for the granting of the BFA degree in art. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**ART 590 Art Studio Workshops**

Focused study in specific studio area, emphasis on upgrading skills and extending understanding of aesthetic and visual qualities. May be repeated to a total of 6 hours. Variable content course. May be taught concurrently with ART 690. Cannot receive credit for both ART 690 and ART 590.

**Credit hours:** 2-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ART 598 Seminar in Art Education**

In-depth study of specific topics and/or interaction with leaders in the fields of aesthetics, art criticism, art history, art making, and art education. May be repeated to a total of 6 hours. Variable content course. May be taught concurrently with ART 698. Cannot receive credit for both ART 698 and ART 598. Supplemental course fee (variable by section).

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**ART 672 Medieval Art**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

Painting, sculpture, and architecture of Europe from the fourth century through the fourteenth century. The course emphasizes the development of a distinctly European art and culture. May be taught concurrently with ART 472. Cannot receive credit for both ART 672 and ART 472.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 675 Art of the Renaissance**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

A survey of painting, sculpture, and architecture in Europe from 1300-1575. May be taught concurrently with ART 475. Cannot receive credit for both ART 675 and ART 475.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 678 Baroque Art**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

The major figures and developments in art and architecture from Mannerism through the Rococo in Italy and Northern Europe. May be taught concurrently with ART 478. Cannot receive credit for both ART 678 and ART 478.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 680 Modern Art**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

A study of the objects, artists, ideas, and movements which are a part of the modern and late modern tradition from the mid 19th Century through the period following the Second World War. May be taught concurrently with ART 480. Cannot receive credit for both ART 680 and ART 480.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ART 684 Contemporary Art**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

This course will emphasize the issues raised during the transition to "Post-Modern" culture in the last decades of the 20th Century and the beginning years of the 21st Century. The approach and the assignments will employ theoretical and critical as well as historical thinking. May be taught concurrently with ART 484. Cannot receive credit for both ART 684 and ART 484.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 685 Art of Mesoamerica**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

The art and architecture of Mesoamerica and the cultures that produced it. May be taught concurrently with ART 685. Cannot receive credit for both ART 685 and ART 485.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 688 Basic Conservation of Art and Artifacts**

*Prerequisite: 3 hours of art history at the undergraduate upper level or graduate level and permission of instructor.*

This course combines advanced art historical study and research of art and artifacts with a hands-on introduction to basic conservation techniques. May be taught concurrently with ART 488 and/or MST 488. Cannot receive credit for both ART 688 and ART 488 and/or MST 488.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ART 690 Art Studio Workshops for Art Educators**

Focused study in specific studio area, emphasis on upgrading skills and extending understanding of aesthetic and visual qualities. Variable Content Course. May be repeated to a total of 6 hours. May be taught concurrently with ART 590. Cannot receive credit for both ART 590 and ART 690.

**Credit hours:** 2-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ART 692 Art and Theory**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

This course will introduce students to a range of critical art theories from the late 19th Century through the 21st Century, addressing what has been thought and written about art from various perspectives. May be taught concurrently with ART 492. Cannot receive credit for both ART 692 and ART 492.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ART 698 Seminar in Art Education**

In-depth study of specific topics and/or interaction with leaders in the fields of aesthetics, art criticism, art history, art making, and art education. May be repeated to a total of 6 hours. Variable content course. May be taught concurrently with ART 598. Cannot receive credit for both ART 598 and ART 698. Supplemental course fee.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**ART 699 Graduate Studio**

*Prerequisite: permission of instructor.*

Individual graduate studio research in visual art/design. May be repeated for credit.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**ART 700 Historical Perspectives in Art Education**

A history of ideas in art education and the individuals who have made significant contributions to the field; overview of beliefs, values, and practices and the role of art and art education in society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ART 701 Directed Graduate Studio I**

*Prerequisite: admission to the MFA in Visual Studies program and permission of instructor.*

Graduate studio research in visual art/design in preparation for thesis development. Course content to be determined by the student under the supervision of a graduate faculty member.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 702 Directed Graduate Studio II**

*Prerequisite: ART 701 and permission of instructor.*

Continuation of ART 701. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 703 Directed Graduate Studio III**

*Prerequisite: ART 702 and permission of instructor.*

Continuation of ART 702. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 704 Directed Graduate Studio IV**

*Prerequisite: ART 703 and permission of instructor.*

Continuation of ART 703. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 710 Professional Practices**

*Prerequisite: permission of instructor.*

A comprehensive study in theoretical and practical aspects of succeeding as a practicing artist or designer both inside and outside the academic setting. Students will survey the procedure and common practices expected of the artist or designer as a productive member of the professional community and educator in the field. This course should be taken before the Thesis course at the end of the student's graduate career.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ART 760 Contemporary Issues and Current Trends in Art Education**

Critical examination of current issues and theories concerning the teaching of art; analysis of relationships between historical purposes and current practice; interpretation and evaluation of recent research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ART 783 Practicum in Art Education and Educational Workshops**

*Prerequisite: ART 360 and ART 366 and 30 hours of studio art.*

Observation and classroom teaching experiences; writing unit and lesson plans; classroom motivation, management and discipline; educational seminar workshops; and exhibition of K-12 student artworks.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**ART 785 Independent Study**

*Prerequisite: portfolio review of work in selected studio area.*

Independent work in one studio area, directed and critiqued by studio advisor. May be repeated to a total of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**ART 794 Independent Study in Art History**

*Prerequisite: permission of instructor.*

Individual projects and special problems in Art History. Permission granted only in special circumstances. May be repeated to a total of 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ART 795 Graduate Internship in Art History**

*Prerequisite: permission of instructor.*

Student will complete various duties as assigned with art history-related organizations. These include local museums, galleries, and/or various resource-media collections. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ART 797 Teaching Practicum**

*Prerequisite: permission of instructor.*

This course will address topics unique to university art and design faculty and professional practices in various fields teaching visual studies. Successful completion of this course is needed to participate in Missouri State University's Teaching Assistant Program or to become a Per Course (or adjunct) instructor while enrolled in the MFA program. Students will survey topics pertaining to effective university level instruction through the exploration of course development, organization and public communication skills. Topics such as how and why students learn, where to find teaching resources and how to refine a learning environment will be discussed through a variety of formats and activities in the class. A mentor/mentee program will also be a component of this course to allow students to shadow experienced professors and learn through observation.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**ART 798 Graduate Studio Seminar**

*Prerequisite: permission of instructor.*

Seminar exploration of current formal and conceptual problems in visual art/design through discussion and critique of study research. May be repeated for a total of 6 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**ART 799 Graduate Studio Thesis**

*Prerequisite: permission of instructor.*

Concentrated activity in the major field of study in preparation for the thesis exhibition/presentation. May be repeated for credit.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

## Design (DES) courses

**DES 202 Graphic Design Systems**

*Prerequisite: ART 101 and ART 110 and ART 215; Missouri State GPA of at least 2.50; and a major GPA of at least 2.50.*

Abstract and theoretical applications of design systems including grid information, various symmetries, and printed page formats.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 210 Introduction to Computer Graphic Design**

*Prerequisite: ART 100 and ART 101 and ART 110 and ART 215; and Missouri State GPA of at least 2.50; and a GPA of 2.50 or higher in the major.*

An introduction to methods of image creation and visual communication via available computer graphic software packages. Emphasis will be placed on the use of the computer as a production tool for graphic designers.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 250 Materials and Techniques for Illustration**

*Prerequisite: ART 101 and ART 110 and ART 215; and Missouri State GPA of at least 2.50 and a GPA of 3.00 or higher in the major; and admitted to BFA Design.*

A study of methods and materials used in traditional illustration.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 300 Graphics for the Non-Design Major**

*Prerequisite: ART 110.*

An investigation of how basic design principles relate to graphic communication as well as the study of processes used in preparing designs for reproduction. The student will apply this knowledge in a number of assigned design problems. Course will not count toward the BFA degree in Design.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**DES 301 Graphic Production**

*Prerequisite: C or better in both DES 202 and DES 210 and concurrent enrollment in either ART 202 or ART 255.*

The study of materials and mechanical processes required for single, multiple, and four-color print production.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**DES 303 Basic Typography**

*Prerequisite: C or better in both DES 202 and DES 210 and concurrent enrollment in either ART 202 or ART 255.*

Introduction to basic typographic forms and their use in visual communication. The application of design principles to the setting of type. Visual experiments with typographic elements.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**DES 330 Communication Design/Methodology**

*Prerequisite: C or better in both DES 301 and DES 303 and admitted to BFA Design degree program.*

Investigation of the design process and its methodology through different forms of visual communication. Development of students' ability to present visually different ideas or information.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 331 Advanced Typography**

*Prerequisite: C or better in both DES 301 and DES 303 and admitted to BFA Design degree program.*

Application of typography in different fields of visual communication and publication design. Exploration of the relationship between meaning, content, and typographic layout.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 332 Image Design**

*Prerequisite: either ART 315 or ART 225 (or concurrent enrollment in ART 315 or ART 225) and C or better in both DES 330 and DES 331.*

Production of graphic images in relation to written information and/or specific subjects, ideas or messages.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**DES 340 Web Design for Design Majors**

*Prerequisite: DES 330.*

Basic knowledge of web design using HTML, including information architecture and image optimization for the web.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**DES 345 Basic New Media Design**

*Prerequisite: DES 210 or ART 210.*

Course will focus on basic knowledge of new media design and production. The course covers interactive interface design.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**DES 350 Illustration**

*Prerequisite: ART 315 (or concurrent enrollment in ART 315) and C or better in DES 250 and admitted to BFA Design degree program.*

The study of various approaches and techniques of illustration for print and publication, including an introduction to digital illustration.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**DES 430 Advanced Graphics**

*Prerequisite: ART 377; and either ART 225 or ART 315 (or concurrent enrollment in ART 225 or ART 315); and C or better in DES 332.*

The completion of advanced projects in graphic communication, including corporate and product identity, public service and editorial design.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 440 Advanced Web Design for Design Majors**

*Prerequisite: DES 340.*

Advanced skills in web design particularly focusing on interactive flash websites with multimedia content.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 452 Intermediate Illustration**

*Prerequisite: ART 377 and ART 225 (or concurrent enrollment in ART 225) and C or better in DES 350.*

The study of illustration as a communicative tool. Students will be assigned problems using various media.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**DES 490 Professional Design Practicum**

*Prerequisite: C or better in either DES 430 or DES 452.*

A design workshop for the development and production of materials for portfolio. Preparation of a Final Project containing design work for a non-profit organization or a selected design issue, a written thesis related to it and public presentation of this project. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**DES 497 Special Topics in Design**

*Prerequisite: Missouri State GPA of at least 2.50 and a GPA of 3.00 or higher in the major and admitted to Art or Design degree program and permission of the instructor.*

The specific topics will change from term to term depending upon the interest of students and professors, e.g. Scientific Illustration, Comic Book Illustration, Art Direction, Book Arts, History of the Book, Letterpress Printing. May be repeated to a total of 9 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**DES 499 Design Internship**

*Prerequisite: Missouri State cumulative GPA of at least 2.50 and a GPA of 3.00 or higher in the major and admitted to Design degree program and permission of Design Program Coordinator.*

Student will complete actual job assignments for outside organizations under the supervision of a design faculty member. May be repeated to a total of 6 hours. Graded Pass/Not Pass only.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Museum Studies (MST) courses

**MST 388 The Museum: History and Perspectives**

*Prerequisite: ENG 110 and permission of instructor.*

This course offers a broad introduction to the museum as a cultural site and museum studies as a discipline with focus on theoretical issues. Identical with ART 388. Cannot receive credit for both MST 388 and ART 388.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MST 488 Basic Conservation of Art and Artifacts**

*Prerequisite: ART 273.*

This course combines advanced art historical study and research of art and artifacts with a hands-on introduction to basic conservation techniques. Identical with ART 488. Cannot receive credit for both MST 488 and ART 488. May be taught concurrently with ART 688. Cannot receive credit for both MST 488 and ART 688.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MST 495 Museum Studies Internship**

*Prerequisite: permission of instructor.*

Students will complete various duties as assigned with one of a variety of museum studies-related organizations. These organizations may include, but are not limited to: museums, galleries, interpretive centers, archives, and visual resource-media collections. Graded Pass/Not Pass only.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MST 501 Natural History Museum Techniques**

Techniques in the development of natural history museum displays including making models, design of displays, writing educational text, and other techniques. Course will be taught off-site at the Bull Shoals Field Station and Chase Studio. Identical with BIO 501. Cannot receive credit for both MST 501 and BIO 501.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

# Art

## Major(s)

### Art

Bachelor of Fine Arts

**Admission requirements**

In addition to completing Foundations courses (ART 100, 101, 110, 115). Note: ART 215 is required for some areas of emphasis. Students must pass the Candidacy Review for BFA in Art**.** A selection of work from Foundation and Studio Core areas is to be submitted to a committee of the art studio faculty for review during the first semester of the student's junior year. Students must have a 3.00 or higher GPA in the major and a Missouri State cumulative GPA of at least 2.50 to be admitted to candidacy. Student records will be encumbered at seventy-five hours if the student has not yet been admitted to a degree program. It is the student's responsibility to apply for the review which is held during the fall and spring semesters. ART 499, Senior Exhibition, cannot be taken unless the Candidacy Review has been passed. Transfer students with more than sixty hours completed must apply for candidacy during their first semester.

**Program requirements**

A. General Education Program and Requirements

B. Major Requirements (75 hours)

1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3),

2. Studio Core (15 hours) – complete five courses with at least one from each of the three groups below:

   a. ART 202(3), 215(3), 225(3), 242(3)

   b. ART 212(3), 223(3), 235(3)

   c. ART 210(3), 230(3), 255(3)

3. Art History (15 hours): ART 271(3), 272(3); ART 273(3) or 274(3); and 6 hours art history electives chosen with advisement.

4. Studio Emphasis (15-21 hours): a minimum of 15 but no more than 21 upper-division

(300 level or higher) hours in one of the following studio areas:

a. **Ceramics:** Required: ART 312(3), 313(6). Electives: ART 314(3-12), 336(3-9), 399(3-6)

b. **Computer Animation:** Required: ART 330(3), 331(3), 430(3), 431(3). Electives: ART 432(3-6), 399(3-6)

c. **Digital Arts:** ART 310(3-6), 399(3-6), 410(3-9). Electives: ART 330(3), 331(3), 430(3), 431(3) and DES 345(3)

d. **Drawing:** Required: ART 315(3-9), 316(3-9). Electives: ART 399(3-6)

e. **Metals/Jewelry:** Required: ART 322(3), 323(3), 324(3-12). Electives: ART 399(3-6)

f. **Painting:** Required: ART 325(3-6). Electives: ART 326(3-9), 399(3-6), 425(3-9)

g. **Photography:** Electives: ART 354(3), 355(3), 356(3), 357(3), 358(3), 359(3), 399(3), 454(3), 455(3-6)

h. **Printmaking:** Required: ART 342(3-9). Electives: ART 343(3-9), 399(3-6)

i. **Sculpture:** Required: ART 335(3-9). Electives: ART 336(3-9), 399(3-6)

5. Senior Exhibition (3 hours): ART 499(3) Presentation of work from areas where the majority of art course work has been taken. This work must evidence the attainment of a level of conceptual and technical maturity judged by a committee of the art studio faculty to meet qualitative standards required for the granting of the BFA in Art.

6. Public Affairs Capstone Experience will be fulfilled by completion of ART 499(3).

7. Art and Design Electives (9-15 hours): additional courses in studio, design, art history, art education, or aesthetics (PHI 320(3)) outside of the area of emphasis, 9 hours of which must be at the 300 level or higher, chosen with approval of advisor, bringing the total number of hours in Art and Design to no fewer than 75. Students with an emphasis in computer animation may use MED 365(3) towards fulfillment of this requirement. ART 200 cannot be used to satisfy this requirement.

C. General Baccalaureate Degree Requirements

## Minor(s)

## Art

Bachelor of Arts

A. ART 100(3), 101(3), 115(3)

B. Additional 9 hours art and/or design electives should be chosen with advisement to bring the total number of hours in Art and Design to no fewer than 18. ART 200 cannot be used to satisfy this requirement.

## Art

Bachelor of Science

A. ART 100(3), 101(3), 115(3)

B. Additional 12 hours art and/or design electives should be chosen with advisement to bring the total number of hours in Art and Design to no fewer than 21. ART 200 cannot be used to satisfy this requirement.

# Art and Design

## Major(s)

## Art and Design (Non-Comprehensive)

Bachelor of Arts

### Admission requirements

Complete Foundations: ART 100(3), 101(3), 110(3), 115(3)

### Program requirements

A. General Education Program and Requirements

B. Major Requirements (42 hours)

1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3)
2. Art History (9 hours): ART 271(3) or 272(3); ART 273(3) or 274(3); and 3 hours of art history electives, chosen with approval of advisor.
3. Studio Emphasis: a minimum of 9 hours, chosen with approval of advisor, in one of the following studio areas: ceramics, digital arts, drawing, metals/jewelry, painting, photography, printmaking, or sculpture.
4. Public Affairs Capstone Experience Requirement: ART 492(3).
5. Art and Design Electives: additional courses in art history, design, or studio, chosen with approval of advisor, bringing the total number of hours in Art and Design to no fewer than 42. ART 200 cannot be used to satisfy this requirement.

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

# Art and Design Education

## Major(s)

### Art and Design (Comprehensive)

Bachelor of Science in Education (Certifiable grades K-12)

**Admission requirements**

In addition to completing Foundations courses (ART 100, 101, 110, 115) students must have a combined GPA (Missouri State and transfer combined) of at least 2.50, GPA in Art and Design of 2.50, "C" or higher in ART 360. Application for admission to the degree program may be made after completion of 30 hours and must be made *before* 75 hours have been completed.

**Program requirements**

A. General Education Program and Requirements
   Specific General Education Requirement: ART 271(3) or 272(3) or 273(3) or 274(3)

B. Major Requirements (66 hours)
   1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3)
   2. Art History (9 hours): ART 271(3) or 272(3); ART 273(3) or 274(3); and ART 480(3) or 484(3)
   3. Studio Art (30 hours):
      a. ART 212(3), 215(3), 225(3), 235(3), 242(3) or 243(3), 253(3), 255(3)
      b. 3 courses from: ART 210(3), 312(3), 315(3), 322(3), 323(3), 325(3), 335(3), 342(3), DES 300(3), PHI 320(3); or two courses plus ART 354(3) or 355(3) or 356(3)
   4. Art Education (15 hours): ART 360(3), 366(3), 401(3), 460(3), 466(3)
   5. Public Affairs Capstone Experience will be fulfilled by completion of ART 490(5-6) and 491(5-6).

C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.
   1. ART 360(3), 366(3), 401(3), 466(3), 490(5-6), 491(5-6)

2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

# Art History

## Major(s)

### Art History (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (39 hours)

1. Core Courses (18 hours): ART 271(3), 272(3), 273(3), 274(3), 492(3); and any 100 or 200 level studio course (3)

2. Public Affairs Capstone Experience will be fulfilled by completion of ART 492(3).

3. In consultation with an advisor, complete 21 hours in at least five of the following areas of art history:

   a. Area I: ART 382(3), 472(3), 474(3)

   b. Area II: ART 475(3), 478(3)

   c. Area III: ART 381(3), 479(3), 480(3)

   d. Area IV: ART 377(3), 387(3), 483(3)

   e. Area V: ART 385(3), 485(3)

   f. Area VI: ART 374(3), 386(3)

   g. Area VII: ART 388(3)*, 488(3)*

   h. Area VIII: ART 378(3), 484(3)

   *With advisor's approval, ART 496(3), Special Topics in Art History, may substitute for a course in one of the areas.*

   **ART/MST 388 and ART/MST 488 may not be double-counted between an Art History major and a Museum Studies minor; in the event that a student is both an Art History major and a Museum Studies minor, these two courses will count only*

*for the Museum Studies minor.*

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Minor(s)

### Art History

Bachelor of Arts
Bachelor of Fine Arts

A. ART 271(3) or 272(3); and ART 273(3) or 274(3)

B. Additional 12 hours art history electives should be chosen with advisement by an art history faculty member to bring the total number of hours in art history to no fewer than 18. Note: Students may not use both ART 480(3) and ART 484(3) to fulfill the 12 hours of electives. ART 200 cannot be used to satisfy this requirement.

### Art History

Bachelor of Science

A. ART 271(3) or 272(3); and ART 273(3) or 274(3)

B. Additional 15 hours art history electives should be chosen with advisement by an art history faculty member to bring the total number of hours in Art History to no fewer than 21. Students may not use both ART 480(3) and ART 484(3) to fulfill the 15 hours of electives. ART 200 cannot be used to satisfy this requirement.

### Art History

Bachelor of Science in Education (Non-Certifiable)

A. ART 271(3), 272(3), 273(3), 274(3)

B. Additional 9 hours art history electives should be chosen with advisement by an art history faculty member to bring the total number of hours in Art History to no fewer than 21. Students may not use both ART 480(3) and ART 484(3) to fulfill the 9 hours of electives. ART 200 cannot be used to satisfy this requirement.

# Design

## Major(s)

### Design

Bachelor of Fine Arts

**Admission requirements**

In addition to completing Foundations courses (ART 100, 101, 110, 115) students must have a GPA of 2.50 or higher in the major and a Missouri State cumulative GPA of at least 2.50 to pass the Advisory Review administered by the Design Program Coordinator in the spring of the freshman year for provisional admission to the program.

In the spring of the sophomore year students must apply for Candidacy Review**.** A committee of Design faculty will administer this review. A student must submit a portfolio consisting of 12-20 pieces selected from Foundations and Design Core courses including: ART 115 or 215, ART 202, DES 202, 210, 301, 303 and may include additional work chosen with faculty advisement. Students must choose an option at this time: Graphic Design, Illustration**,** or Graphic Design and Illustration. This is a competitive program—if students are not accepted into the program they may consider repeating courses and/or doing additional work and reapplying for admission the following spring, but acceptance is not guaranteed. Students must have a GPA of 3.00 or higher in the major and an Missouri State cumulative GPA of at least 2.50 to be admitted to candidacy.

Transfer students choosing the BFA in Design must apply for admission to the program. The application with portfolio and transcript must be made to the Design Program Coordinator in the spring semester for admission to the program in the fall. (Students are not encouraged to apply for spring admission.) The Design Program Coordinator in consultation with the Design faculty will review the application with portfolio and transcript. Students must receive permission from the Design Coordinator before enrolling in any Design course. To be admitted to the Design Program transfer students must have a GPA of 2.50 or higher in the major if transferring 12 hours or less in the major, or a GPA of 3.00 or higher in the major if transferring more than 12 hours in the major. All transfer students must have a combined (Missouri State and transfer) GPA of at least 2.50 to be admitted to the program.

### Design internships

DES 499, Design Internship, may be arranged through the Office of Cooperative Education, and may be used to fulfill art or design electives by design majors. Permission to take an internship for

credit must be obtained before the work is done. For more information on how to enroll in DES 499 contact the Design Program Coordinator.

## Program requirements

A. General Education Program and Requirements

B. Major Requirements (78-93 hours)

1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3)
2. Design Core (18 hours): ART 202(3), 215(3); DES 202(3), 210(3), 301(3), 303(3)
3. Art History (15 hours): ART 271(3), 272(3); ART 273(3) or 274(3) or 382(3); ART 377(3); and ART 480(3) or 484(3)
4. Studio Art (12 hours): ART 225(3), 255(3), 315(3), ART 235(3) or 242(3)
5. Professional Design Practicum (3 hours): DES 490(3)
6. Public Affairs Capstone Experience will be fulfilled by completion of DES 490(3).
7. Complete one of the options below
   a. **Graphic Design** (18 hours):
      1. DES 330(3), 331(3), 332(3), 340(3), 430(3)
      2. 3 hours of Design electives from DES 345(3), 440(3), 497(3), 499(3)

   b. **Illustration** (18 hours):
      1. DES 250(3), 350(3), 452(3)
      2. 6 hours of DES 497(3) Special Topics in Illustration. May not repeat the same topic.
      3. 3 hours of electives chosen from: Photography-ART 354(3), 355(3), 356(3), 357(3), 358(3); Printmaking-ART 242(3)*, 243(3), 342(3), 343(3); Drawing and Painting-ART 315(3)*, 316(3), 325(3), Digital Imaging-ART 310(3), 410(3); Computer Animation-ART 230(3); Design-DES 345(3), 497(3)-may not be same topic; DES 499(3)

      ** ART 315 and ART 242 cannot be counted both here and toward the Studio Art requirement, however, ART 315 may be repeated.*

c. **Graphic Design and Illustration** (33 hours):
   1. 15 hours in Graphic Design: DES 330(3), 331(3), 332(3), 340(3), 430(3)
   2. 9 hours in illustration: DES 250(3), 350(3), 452(3)
   3. 6 hours of DES 497(3) Special Topics in Illustration. May not repeat the same topic.
   4. 3 hours of design electives: DES 345(3), 440(3), 497(3) Special Topics in Illustration. May not repeat the same topic, DES 499(3)

C. General Baccalaureate Degree Requirements

## Minor(s)

## Design

Bachelor of Science

A. ART 100(3), 101(3), 115(3), 202(3); DES 300(3)

B. ART 110(3) and DES 210(3)

# Electronic Arts

## Major(s)

## Electronic Arts (Non-Comprehensive)

Bachelor of Science
This program is offered in conjunction with the Department of Media, Journalism & Film.

### Admission requirements

Preadmission Core Courses: complete 9 hours with a GPA of 3.00 or higher from the following Electronic Arts preadmission core courses before applying to the program: ART 100(3), MED 290(3), MED 365(3), MUS 216(3). Core courses in the student's chosen option must be completed before applying.

### Initial portfolio review

Portfolio must include a minimum of two and a maximum of three examples of audio, video, interactive new media, and/or computer animation work, with at least one example coming from the preadmission core course in the option area to which the student is applying. Students seeking admission to the Electronic Arts program in the area of Computer Animation Studies must include at least one work from ART 230 or ART 330. Specific guidelines are required for portfolios. See advisor or the Electronic Arts Coordinator for details.

### Program requirements

A. General Education Program and Requirements

B. Major Requirements (39 hours)

1. Core Courses: ART 100(3), ART 300(3); MED 290(3), MED 365(3); MUS 216(3); 6-hour sequence from ART 498(3) or MED 498(3)

2. Choose one of the following options (18 hours):

   a. **Audio Studies:** See Department of Media, Journalism & Film section of catalog

   b. **Computer Animation Studies:** ART 230(3); MED 465(3) or 466(3); select 12 hours with advisor approval: ART 330(3), 331(3), 430(3), 431(3), 432(3-6), 399(3-6)

c. **Interactive New Media Studies:** See Department of Media, Journalism & Film section of catalog

d. **Video Studies:** See Department of Media, Journalism & Film section of catalog

3. Successful completion of the junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review must be achieved before admission to ART 498/MED 498, Senior Project in Electronic Arts, will be granted.

4. Public Affairs Capstone (PAC) Experience – all students are required to complete a three hour PAC by completing one of the following options:

   a. ART 498 – senior thesis project is directly related to cultural competence, community engagement, and/or ethical leadership issues. The PA component of the senior project will be defined specifically when the senior project is approved by the faculty team teaching the course.

   b. Study Away Experience – a study away experience of at least three hours will automatically meet the PAC requirement. Students will be expected to address issues related to cultural competency in their self-reflective report at the end of the study away experience.

   c. ART 399 – a three hour independent study will meet the PAC requirement when it involves a substantial component involving community engagement or cultural competency.

C. Minor Required. Note: No more than 6 hours may count for both the major and the minor.

D. General Baccalaureate Degree Requirements

# Museum Studies

## Minor(s)

### Museum Studies

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
**Program Advisors:** Dr. Billie Follensbee, Professor, Art and Design, Museum Studies Program Coordinator; Dr. Mitzi Kirkland-Ives, Associate Professor, Art and Design; Dr. Janice Green, Professor, Biology; Dr. Judith Meyer, Associate Professor, Geography, Geology and Planning; Dr. F. Scott Worman, Assistant Professor, Sociology and Anthropology.

The Museum Studies minor is an interdisciplinary minor which will introduce students to the variety of careers available in museum studies as well as provide basic background training in a variety of museum-related fields, allowing students to continue their studies at the graduate level or by working in museums themselves. This minor is also appropriate for students interested in public affairs, community development, or other fields leading to a career working with governmental or private institutions. By providing students with a background education in a variety of types of museums, how museums operate, and the role of different types of museums, students will develop an appreciation for these and other public and private institutions.

A. Required Courses (9 hours): MST 388(3), 488(3), 495(3). Students must register for either the ART course code or the MST course code for 388 and 488; the ART course code will count as an Art History course, while the MST course code will count as a Museum Studies course. Students completing a museum- or archives-related internship(s) in any one of the related disciplines may substitute this for the MST 495 internship, provided the internship consists of three credit hours total and fulfills all of the requirements for MST 495, and with the approval of a Museum Studies advisor.

B. Complete nine additional hours from one of the following tracks. Only two electives may overlap with courses used for any major or minor. Appropriate substitutions are allowed within a track with the approval of a Museum Studies advisor.

    1. Art History Track: Appropriate prerequisite (ART 272(3) or ART 273(3)) and two of the following: ART 378(3), 382(3), 385(3), 386(3), 475(3), 478(3), 479(3); 480(3) or 484(3); 485(3)

2. Biology Track: BIO 215(2) or two taxonomy courses, and two of the following: BIO 485(1-3), 501(2), 509(4), 527(1-4), 561(2), 562(4), 564(2)

3. Geoscience Track: Select one GRY course, one GLG course, and one additional GRY, GLG, or PLN course from the following: GRY 301(3), 318(3), 320(3), 328(3), 348(3), 363(4); GLG 314(4), 332(4), 333(4), 350(3), 412(4), 415(4); PLN 573(3)

4. Anthropology-Archaeology Track: ANT 240(3) and two of the following: ANT 345(3), 351(3-6), 355(3), 360(3), 375(3), 397(1-3) (when applicable), 490(1-6) (when applicable), 545(3), 550(3), 551(3), 552(3), 555(3), 598(3) (when applicable)

5. Anthropology-World Cultures Track: ANT 100(3) or ANT 226(3) and two of the following: ANT 330(1-3), 331(3), 332(3), 334(3), 335(3), 490(1-6) (when applicable)

6. Anthropology-Native Americans Track: Three of the following: ANT 325(3), 330(1-3), 351(3-6), 360(3), 490(1-6) (when applicable), 505(3), 525(3), 598(3) (when applicable)

# Department of Communication

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Communication (BA, BS, Minor)+

Conflict and Dispute Resolution (Certificate)

Ethical Leadership (Minor)

Public Relations (BS)+

Socio-Political Communication (BS)+

Speech and Theatre Education (BSEd)

### Graduate

Communication (MA)+

Conflict and Dispute Resolution (Certificate)

Courses are offered toward the option in Applied Communication within the Professional Studies program (MPS)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Speech and Theatre Education (BSEd)
- Council for the Accreditation of Educator Preparation – Speech and Theatre Education (BSEd)

## Mission statement

The mission of the Department of Communication is to advance knowledge and practice of effective and ethical communication

## Contact

**Interim department head**

Isabelle Bauman, PhD

**Office**

Craig Hall, Room 375

**Phone**

through teaching, scholarship, and engagement. Six themes unite the various disciplinary specialties represented by our faculty: communication competence, ethical discourse, diversity, leadership and participation, advocacy, and issues analysis.

## General information

### Student activities

Missouri State boasts a tradition of excellence in debate. The debate program is one of the oldest in the country - as old as the university itself - and has consistently been one of the top 20 debate programs in the nation. Missouri State is also the only school in the nation to have hosted both the Cross-Examination Debate Association (CEDA) National Tournament and the National Debate Tournament (NDT). Missouri State students participate in NDT/CEDA policy debate. In 1992, Missouri State won first place at the CEDA National Tournament. Missouri State students have appeared in the "Sweet Sixteen" of college debate eleven times in the last twenty years, including a second place finish and three additional final four appearances (the latest in 2008.) In 2006 and 2008, the team secured one of 16 prestigious "First Round At Large" bids to the NDT. Within this tradition of competitive excellence lies a commitment to the education of the individual student. Missouri State debaters are consistently admitted to top graduate programs and law schools. The Holt V. Spicer Debate Forum features a national and regional travel schedule designed to offer each student the optimum level of participation.

417-836-4423

**Fax**

417-836-4774

**Email**

Communication@missouristate.edu

**Website**

communication.missouristate.edu

# Communication Faculty

## Professors

Charlene A. Berquist, PhD

John S. Bourhis, PhD

Randy K. Dillon, PhD

Shawn T. Wahl, PhD

Kelly S. Wood, PhD

## Associate professors

Isabelle Bauman, PhD

LeAnn M. Brazeal, PhD

Elizabeth A. Dudash-Buskirk, PhD

Samuel C. Dyer, PhD

Eric R. Morris, PhD

## Assistant professors

Carissa Hoelscher, PhD

Daniel Simmons, PhD

Stephen Spates, MA

Erin C. Wehrman, PhD

## Senior instructors

Allison R. Coltharp, MA

Nora F. Cox, MA

Jerri Lynn Kyle, MA

Roberta A. Rowe, MA

Heather L. Walters, JD

## Instructors

Deana R. Butcher, MA

Jason A. Howard, MA

Gary L. Iman, MA

Didem Koroglu, MA

Taleyna M. Morris, PhD

## Emeritus faculty

Lynn K. Borich, MA

Deborah J. Craig, MA

R. Richard Ellis, MA

Gloria J. Galanes, PhD

Sandra House, EdD

Herbert W. Jackson, PhD

Russell M. Keeling, PhD

Janis L. King, PhD

John I. Sisco, PhD

Ralph R. Smith, PhD

Holt V. Spicer, PhD

Donal J. Stanton, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Communication Courses

## Communication (COM) courses

**COM 100 Introduction to Majors in Communication**

This course is intended for new or prospective Communication majors and minors. The course informs students about programs of study in Communication and assists students in making decisions regarding degree programs and career plans. This is an elective course that will not count towards major or minor requirements. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 115 Fundamentals of Public Speaking**

*General Education Course (Focus on Oral Communication).*

Instruction and practice in researching, composing, and delivering formal and informal speeches in a variety of public contexts. Representative topics include: ethics in public speaking; listening; library research; outlining; delivery; writing in an oral style; evaluation of public address; and analyzing and adapting to audiences. The course emphasizes informative and persuasive speaking.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 120 Fundamentals of Debate**

A survey of fundamental principles of debate, including research techniques, argument invention and construction, refutation, and strategy. This course is taught in relationship to current debate topics, and is not limited to participants on the debate team. May be repeated to a total of 12 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 205 Interpersonal Communication Theory and Skills**

Theory and practice in the principles and skills of interpersonal communication within a variety of contexts. Representative topics include: perception; self-concept development; verbal and nonverbal communication; effective listening techniques; conflict resolution; and sensitivity to cultural and gender differences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 206 Introduction to Health Communication**

An introductory survey of contemporary health communication issues, including patient-provider communication, health ethics, health organizations, health campaigns, and health and the media.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 209 Survey of Communication Theory**

A survey of selected theoretical approaches to understanding mediated and non-mediated human communication.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 210 Communication Research Methods**

Recommended Prerequisite: COM 209. A survey of the quantitative and qualitative methods most commonly used for research in communication. Topics include the nature of the research process; research ethics; academic vs. applied research; evaluating research; and a discussion of specific research methods such as experimental design, statistical interpretation, survey research, individual and group interviewing, sampling and polling, content analysis, ethnography, and qualitative analysis techniques.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 300 Careers in Communication**

*Prerequisite: COM 115 and COM 209.*

This course assists Communication students to assess their abilities and qualifications, to research professional opportunities, and to prepare for job searching and career planning.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 305 Service Learning in Communication**

*Prerequisite: 30 hours and concurrent registration in a communication course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in communication to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 307 Gender and Communication**

This course examines theory and research on gender and communication. Its purpose is to help students explore how gender and communication are interrelated, how these concepts intertwine with other aspects of our identities, and how these factors play out in their own lives.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 309 Principles of Public Relations**

*Prerequisite: COM 115 and COM 209 and MED 120.*

Study of the development, planning, and implementation of communication programs and campaigns. Emphasis on the professional practices and ethical standards important to effective communication within organizations, and between organizations and their publics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 315 Public Speaking II**

*Prerequisite: COM 115.*

Study and practice in speech research, composition and presentation. Emphasis is placed on speeches for business and the professions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 320 Principles of Advanced Debate**

A survey of principles of debate, including counterplans, criticism, deep refutation, and other advanced strategies. This course is taught in relationship to current debate topics, and is not limited to participants on the debate team. May be repeated to a total of 12 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 321 Inter-Collegiate Debating**

Open only to those chosen to debate as University representatives. May be repeated to a total of 12 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 322 Introduction to Argumentation**

*Prerequisite: COM 115.*

Fundamental theories of argument. This course will meet the secondary teaching certification requirements for a minimum of 2 semester hours in debate. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 325 Nonverbal Communication**

This course examines the methods of research in nonverbal communication, the types or subcodes of nonverbal behaviors, and the application of nonverbal behaviors in social situations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 326 Effective Listening**

*Prerequisite: COM 115 and COM 209 and MED 120.*

The purpose of this course is to prepare the student to understand listening attitudes and behavior and to build a program for improvement in listening skills through application of listening theory to practical situations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 328 Persuasion**

*Prerequisite: COM 115.*

Recommended Prerequisite: COM 209 and COM 210 and MED 120. Modern theories of persuasion with some evaluation of specific case studies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 331 Employment Interviewing**

Students will examine the employment interviewing process as an instance of applied persuasion from the perspective of the job applicant. Topics include: anticipating employer questions, types of commonly asked questions, asking questions during the close, nonverbal elements of persuasive interviewing, the structure of the selection interview, creating positive first impressions, and writing thank you letters after the interview.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 332 Small Group Communication**

*Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.*

Recommended Prerequisite: COM 209 and COM 210 and MED 120. Basic theory and techniques of oral interaction in group activities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 336 Communication in Organizations**

*Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.*

Recommended Prerequisite: COM 209 and COM 210 and MED 120. Analysis of communication processes as they occur within organizations. Students study both the effects of the organizational context on communication as well as the role of communication in shaping organizational life and effectiveness.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 350 The Rhetorical Tradition and Contemporary Applications**

*Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.*

Recommended Prerequisite: COM 209 and COM 210 and MED 120. A survey of rhetorical theories and methods from the classical period until present. The relevance of the rhetorical tradition to contemporary communication theory and practice is stressed. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 360 Introduction to Intercultural Communication**

*Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.*

Recommended Prerequisite: COM 209 and COM 210 and MED 120. This course investigates the nature of communication between people from different cultures and nations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 379 Writing for Public Relations**

Recommended prerequisite: JRN 270. Study and preparation of copy for press releases, newsletters, brochures, annual reports, and other written public relations communications.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 390 Communication and Aging**

Communication theories as they apply to the aging process. Examination of the effects of communication on the self-esteem, self-perception, well-being, and quality of life of the elderly. Study of communication between the elderly, the elderly and the young, and the elderly and their caregivers in a variety of contexts, including in one-on-one, family, and mediated situations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 397 Topics in Communication**

A course covering a single topic within the field of Communication; subject will vary according to student demand and faculty availability. Examples include Conflict and Conflict Management, and Gender Differences. May be repeated up to a total of 6 hours with permission of department. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**COM 405 Interpersonal Communication**

*Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.*

Recommended Prerequisite: COM 209 and COM 210 and MED 120. A survey of contemporary interpersonal communication theories and issues within a variety of contexts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**COM 417 Teaching of Speech and Theatre**

*Prerequisite: EDC 350, SPE 340, EDT 365, 12 hours in communication and 12 hours in theatre.*

Scope and objectives of the speech and theatre program in secondary schools; organization and administration of curricular and co-curricular programs; general instruction methodology. Completion of Checkpoint II for the Professional Portfolio is a component of this course. This course is recommended to be completed the fall semester before student teaching. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take COM 490 or COM 491. Cannot be taken Pass/Not Pass. Identical with THE 417. Cannot receive credit for both COM 417 and THE 417.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 436 Communication and Leadership**

*Prerequisite: COM 115; and 60 hours; and Communication majors/minors must be admitted to degree program.*

In-depth study of the relationship between communication and leadership within organizations and the development of specific communication competencies associated with effective leadership.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 439 Techniques and Cases in Public Relations**

*Prerequisite: COM 210 and COM 309; Communication majors/minors must be admitted to degree program.*

Recommended Prerequisite: COM 336. Communication theories and techniques of message preparation as applied to the function of organizational promotion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 449 Communication Programs and Issues Management**

*Prerequisite: COM 210 and COM 336 and COM 439; Communication majors/minors must be admitted to degree program.*

Analysis and practice in strategic communication program planning and management, including techniques relevant to effective crisis communication and issues management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COM 490 Supervised Teaching (Secondary Speech and Theatre)**

*Prerequisite: COM 417; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in COM 491.*

Student observes then teaches speech and theatre classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Identical with THE 490. Cannot receive credit for both COM 490 and THE 490. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 491 Supervised Teaching (Secondary Speech and Theatre)**

*Prerequisite: Concurrent enrollment in COM 490.*

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Cannot receive credit for both COM 491 and THE 491. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 493 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 494 Conflict Capstone**

*Prerequisite: COM 205 and COM 511 and COM 521; and admission to the certificate program in Conflict and Dispute Resolution; and at least one certificate elective course.*

This course allows students an applied opportunity to integrate theoretical material on conflict and dispute resolution with information on a variety of contexts in which conflict occurs.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 495 Communication Internship**

*Prerequisite: Program of study in Communication major or minor or Undergraduate Certificate in Conflict and Dispute Resolution; admitted to degree program; and permission of Internship Coordinator.*

Supervised pre-professional field experience related to communication studies. Meeting minimum prerequisite requirements does not guarantee internship placement. May be repeated to a maximum of 6 hours with permission of Internship Coordinator. No more than three hours may be applied to a Communication minor. No more than one hour may be applied to the Undergraduate Certificate in Conflict and Dispute Resolution. Public Affairs Capstone Experience course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 496 Readings in Communication and Persuasion**

*Prerequisite: COM 115 and COM 209 and MED 120 and permission of instructor; Communication majors/minors must be admitted to degree program.*

Supervised independent study exploring in-depth selected areas. Selected readings controlled by conferences, progress reports and term papers. May be repeated to a total of 6 hours.

**Credit hours:** 2-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 499 Program Assessment**

*Prerequisite: permission of instructor.*

Required assessment of programs and public affairs activity for all communication majors. Must be taken during the last semester of graduation or of residence. Assessment activities include submission of a cumulative academic portfolio including report of public affairs project and other elements such as exit interviews, surveys, or examinations. The focus is on communication program development, rather than on individual student evaluation. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 500 Service Learning in Communication**

*Prerequisite: permission of instructor and concurrent enrollment in a communication, media, or journalism course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in communications to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with COM 600. Cannot receive credit for both COM 600 and COM 500.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 506 Family Communication**

This course is intended to provide students with an in-depth examination of communication as it functions in family systems. May be taught concurrently with COM 607. Cannot receive credit for both COM 607 and COM 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 507 Health Communication and Culture**

The examination of intercultural communication concepts in the health care context. Emphasis will be on understanding the health needs of diverse populations, Western health practices, non-Western health practices, and the conflicts that can emerge when cultures collide. May be taught concurrently with COM 604. Cannot receive credit for both COM 507 and COM 604.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**COM 508 Patient-Provider Communication**

This course explores the nature of patient-provider interactions in health care contexts. Emphasis is placed on traditional and non-traditional health care providers, their patients, and interpersonal communication theories specific to health care interactions. May be taught concurrently with COM 608. Cannot receive credit for both COM 508 and COM 608.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**COM 509 Proseminar in Public Relations**

*Prerequisite: permission of instructor.*

Readings and applications in chosen areas of professional communication practice. May be repeated once for credit. Variable content course. May be taught concurrently with COM 609. Cannot receive credit for both COM 609 and COM 509.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 511 Conflict and Communication**

Equips students to understand the dynamics of interpersonal conflict and its resolution in a variety of community settings. Students will learn to analyze their own conflict styles and to develop self-regulation strategies for collaborative outcomes. The course covers conflict theory and research and applies these ideas to current community and organizational settings and diverse populations. Lectures/discussions by scholars, community leaders, and/or agency personnel who deal with conflict as well as simulations of conflict situations will be provided. May be taught concurrently with COM 611. Cannot receive credit for both COM 611 and COM 511.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 512 Communication and Diversity in the Workplace**

Exploration of current theory and research regarding communication and diversity in the workplace. Study of practical applications for the assessment and training of communication skills relative to culture, race, sex, age, disability, sexual orientation and other diversity issues. Emphasis is placed on improving understanding of communication similarities and differences among diverse population groups. Includes readings, class discussion, observation, and/or class projects about assessment and training in communication skills in a diverse workplace. May be taught concurrently with COM 617. Cannot receive credit for both COM 617 and COM 512.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 513 Ethical Issues in Communication**

Ethical theories and justification models are studied and then related to ethical decision making in a variety of communication contexts, including interpersonal communication, group communication, organizational communication, and public communication. The course will examine the components of good ethical decision making in communication, as well as obstacles that can stand in the way of responsible choices. May be taught concurrently with COM 619. Cannot receive credit for both COM 619 and COM 513.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 521 Communication, Mediation, and Negotiation**

Explores the communicative foundation for understanding the processes of mediation and negotiation as methods for resolving conflict, with an emphasis on interpersonal and organizational conflict. The course covers theories and concepts pertaining to mediation and negotiation, particularly alternative dispute resolution, and provides students the opportunity to apply concepts through a variety of experiential activities. May be taught concurrently with COM 621. Cannot receive credit for both COM 621 and COM 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 532 Teaching Debate**

*Prerequisite: COM 322.*

This course prepares the student to teach various forms of debate in a high school setting. It will explore all major forms of high school debate, including CX Policy Debate, L/D Debate, parliamentary, and Public Forum debate. May be taught concurrently with COM 631. Cannot receive credit for both COM 631 and COM 532.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 534 Teaching Individual Events**

*Prerequisite: THE 323.*

This course prepares the student to teach various individual events common in a high school setting. It will explore all major high school individual events, including Foreign and Domestic Extemporaneous Speaking, Original Oratory, Poetry, Prose, Dramatic Interpretation, Humorous Interpretation, Radio Speaking, Storytelling, and Student Congress. May be taught concurrently with COM 633. Cannot receive credit for both COM 633 and COM 534.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 536 Directing Forensics**

*Prerequisite: COM 532 and COM 534.*

Problems in coaching and conducting forensic contests. May be taught concurrently with COM 635. Cannot receive credit for both COM 635 and COM 536.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 550 Political Communication**

*Prerequisite: COM 115 and COM 209 and MED 120; Communication majors/minors must be admitted to degree program.*

Communication majors must complete COM 210. Examination of the communication process in modern political campaigns. Emphasis is placed on the role of communication strategies and tactics in political organization, message formation, fund raising, and mass media usage. May be taught concurrently with COM 650. Cannot receive credit for both COM 650 and COM 550.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 566 Social Movement Communication**

*Prerequisite: COM 115 and COM 209 and MED 120; Communication majors/minors must be admitted to degree program.*

Examination of social movement communication with emphasis on functionalist, dramatistic, and symbolic convergence theories. Study of movements' use of communication to generate discontent, mobilize and coordinate support, defend themselves and attack opponents, and negotiate with external groups. Critical analysis of collective actions such as student, civil rights, identity, labor, religious, feminist, lesbian/gay, and utopian movements. May be taught concurrently with COM 660. Cannot receive credit for both COM 660 and COM 566.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**COM 597 Studies in Communication Theory and Practice**

In-depth examination of a specific communication topic. May vary from semester to semester and, with permission of the department, may be repeated to a total of 12 hours. Variable content course. May be taught concurrently with COM 698. Cannot receive credit for both COM 698 and COM 597.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 600 Service Learning in Communication Graduate Study**

*Prerequisite: permission of instructor and concurrent enrollment in a communication, media, or journalism course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in communications to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with COM 500. Cannot receive credit for both COM 600 and COM 500.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 604 Health Communication and Culture**

The examination of intercultural communication concepts in the health care context. Emphasis will be on understanding the health needs of diverse populations, Western health practices, non-Western health practices, and the conflicts that can emerge when cultures collide. May be taught concurrently with COM 507. Cannot receive credit for both COM 604 and COM 507.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**COM 607 Family Communication**

This course is intended to provide students with an in-depth examination of communication as it functions in family systems. May be taught concurrently with COM 506. Cannot receive credit for both COM 506 and COM 607.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 608 Patient-Provider Communication**

This course explores the nature of patient-provider interactions in health care contexts. Emphasis is placed on traditional and non-traditional health care providers, their patients, and interpersonal communication theories specific to health care interactions. May be taught concurrently with COM 508. Cannot receive credit for both COM 608 and COM 508.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**COM 609 Proseminar in Public Relations**

*Prerequisite: permission of instructor.*

Readings and applications in chosen areas of professional communication practice. May be repeated once for credit. Variable content course. May be taught concurrently with COM 509. Cannot receive credit for both COM 509 and COM 609.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 611 Conflict and Communication**

Equips students to understand the dynamics of interpersonal conflict and its resolution in a variety of community settings. Students will learn to analyze their own conflict styles and to develop self-regulation strategies for collaborative outcomes. The course covers conflict theory and research and applies these ideas to current community and organizational settings and diverse populations. Lectures/discussions by scholars, community leaders, and/or agency personnel who deal with conflict as well as simulations of conflict situations will be provided. May be taught concurrently with COM 511. Cannot receive credit for both COM 511 and COM 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 617 Communication and Diversity in the Workplace**

Exploration of current theory and research regarding communication and diversity in the workplace. Study of practical applications for the assessment and training of communication skills relative to culture, race, sex, age, disability, sexual orientation and other diversity issues. Emphasis is placed on improving understanding of communication similarities and differences among diverse population groups. Includes readings, class discussion, observation, and/or class projects about assessment and training in communication skills in a diverse workplace. May be taught concurrently with COM 512. Cannot receive credit for both COM 512 and COM 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 619 Ethical Issues in Communication**

Ethical theories and justification models are studied and then related to ethical decision making in a variety of communication contexts, including interpersonal communication, group communication, organizational communication, and public communication. The course will examine the components of good ethical decision making in communication, as well as obstacles that can stand in the way of responsible choices. May be taught concurrently with COM 513. Cannot receive credit for both COM 513 and COM 619.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 621 Communication, Mediation, and Negotiation**

Explores the communicative foundation for understanding the processes of mediation and negotiation as methods for resolving conflict, with an emphasis on interpersonal and organizational conflict. The course covers theories and concepts pertaining to mediation and negotiation, particularly alternative dispute resolution, and provides students the opportunity to apply concepts through a variety of experiential activities. May be taught concurrently with COM 521. Cannot receive credit for both COM 521 and COM 621.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 631 Teaching Debate**

This course prepares the student to teach various forms of debate in a high school setting. It will explore all major forms of high school debate, including CX Policy Debate, L/D Debate, parliamentary, and Public Forum debate. May be taught concurrently with COM 532. Cannot receive credit for both COM 532 and COM 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 633 Teaching Individual Events**

This course prepares the student to teach various individual events common in a high school setting. It will explore all major high school individual events, including Foreign and Domestic Extemporaneous Speaking, Original Oratory, Poetry, Prose, Dramatic Interpretation, Humorous Interpretation, Radio Speaking, Storytelling, and Student Congress. May be taught concurrently with COM 534. Cannot receive credit for both COM 534 and COM 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 635 Directing Forensics**

Problems in coaching and conducting forensic contests. May be taught concurrently with COM 536. Cannot receive credit for both COM 536 and COM 635.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 650 Political Communication**

Examination of the communication process in modern political campaigns. Emphasis is placed on the role of communication strategies and tactics in political organization, message formation, fund raising, and mass media usage. May be taught concurrently with COM 550. Cannot receive credit for both COM 550 and COM 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 660 Social Movement Communication**

Examination of social movement communication with emphasis on functionalist, dramatistic, and symbolic convergence theories. Study of movements' use of communication to generate discontent, mobilize and coordinate support, defend themselves and attack opponents, and negotiate with external groups. Critical analysis of collective actions such as student, civil rights, identity, labor, religious, feminist, lesbian/gay, and utopian movements. May be taught concurrently with COM 566. Cannot receive credit for both COM 566 and COM 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**COM 698 Studies in Communication Theory and Practice**

In-depth examination of a specific communication topic. May vary from semester to semester and, with permission of the department, may be repeated to a total of 12 hours. Variable content course. May be taught concurrently with COM 597. Cannot receive credit for both COM 597 and COM 698.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 701 Introduction to Graduate Studies**

Introduction to graduate study in communication. Topics include an overview of the field, introduction to relevant journals, library skills, professional associations, planning a program of study, and how to satisfy the research requirement.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 702 Theory and Research in Communication**

Survey of communication theory, models, and research. Topics include perception, construction of meaning, language and symbol systems, interpersonal discourse, relationships, small group interaction, and organizational communication.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 705 Health Communication**

Examination of communication theory in the health care context. Emphasis will be on communication effectiveness in health care professional/client relationships, in addition to message practices in small group, organizational, and mediated health campaign settings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 706 Rhetorical Theory**

The study of rhetorical theories from the pre-Socratic period to the contemporary period.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**COM 710 Contemporary Communication Education**

Examination of current practices and trends in Communication Education. Graduate teaching assistants in communication are required to take this course during the first semester of the assistantship. Course is only open to graduate teaching assistants in the Department of Communication.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**COM 712 Quantitative Analysis in Communication Research**

Quantitative research designs and statistical tools used in human communication research. Topics include descriptive and inferential statistics, validity and reliability, hypothesis testing, and analysis and interpretation of computer assisted research. Students may design and carry out individual research projects.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 713 Media Resources for Organizations**

This course is designed to provide students with an opportunity to explore the interface of profit and non-profit organizations with television, radio, newspapers and the Internet to enhance organizational effectiveness. The course is project based focusing on developing specific media resources to meet strategic organizational communication goals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 714 Qualitative Analysis in Communication Research**

Qualitative approaches to studying human communication. Topics include in-depth interviewing, survey methods, observation and coding techniques in structured and naturalistic settings, and interpretive data analysis. Students may be required to design and complete research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COM 716 Rhetorical Analysis in Communication Research**

The investigation and evaluation of rhetorical acts and artifacts for the purpose of understanding rhetorical processes. Students will survey methods of rhetorical analysis and practice critical analysis of artifacts, events, and/or acts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 718 Applied Communication Research Methods**

*Prerequisite: permission of instructor.*

In-depth examination of a specific applied communication research methodology including: survey research, media criticism, communication audits, in-depth interviewing, and focus group interviewing. Topic will vary semester to semester. May be repeated but only 3 hours will count toward the degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 722 Argumentation as Communication**

Argumentation as related to decision making, conflict resolution and negotiation in business, industry, government, and education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 724 Theories of Interpersonal Communication**

Topics include theories, concepts, models of interpersonal communication, interpersonal discourse, relationships, resolving conflicts, verbal message analysis, interpreting nonverbal message.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 732 Theories and Concepts of Small Group Communication**

Survey of theories and concepts related to communication in small groups. Topics include group development, roles, norms, leadership, cohesiveness, decision making, conflict, interaction analysis, and research approaches to small group communication.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 736 Concepts and Analysis of Communication in Organizations**

Advanced study of communication in organizations. Application of traditional and contemporary theories of communication and organizations in current research and practice. Particular attention is given to the symbolic nature of organizing and to the analysis of organizational culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 739 Concepts and Analysis of Public Relations**

Examination of concepts which underlie practices in public relations. Analysis of current practices and issues important in public relations for corporations, not-for-profit organizations. government agencies, and educational institutions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 795 Communication Internship**

*Prerequisite: 12 graduate hours in Communication; and permission of department.*

Independent projects in the various areas of communication. May be repeated to a maximum of 6 hours with permission of the department.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 796 Independent Study**

*Prerequisite: permission of advisor.*

Study may be reading project or a practical application of theories. May be repeated to a maximum of 4 hours.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COM 797 Seminar: Communication Theory**

Special topics in history, theory and criticism of communication. Topic may vary from semester to semester. With permission, may be repeated for a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COM 799 Masters Thesis**

*Prerequisite: completion of 9 graduate hours in communication; and permission of the Director of Graduate Studies and admission to the thesis option; and complete 3 graduate hours in research methods or be concurrently enrolled in one of the following courses: COM 712, COM 714, COM 716, or COM 718.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

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# Communication

## Major(s)

## Communication (Non-Comprehensive)

Bachelor of Arts

### Admission requirements

All majors in the Department of Communication must satisfy the following requirements before they can be admitted to the program.

A. Complete a minimum of 59 credit hours.

B. Complete the General Education Foundations courses.

C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.

D. Complete COM 115, COM 209, and MED 120 with a GPA of 2.50 or higher.

E. Complete any additional admission requirements for selected emphasis or major.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

### Program requirements

Students pursuing a second option in the BA and BS Communication degree (non-comprehensive) must complete a minimum of 9 credit hours not counted as requirements on any major option. The additional major option cannot be used to satisfy the requirement of a minor or additional major.

A. General Education Program and Requirements

Specific General Education Requirements: COM 115(3), MED 120(3)

B. Major Requirements (33 hours)

1. Theory and Method Core (9 hours): COM 209(3), 210(3), 350(3)

2. Communication Practices Core (9 hours): COM 205(3), 315(3); 322(3) or 328(3). (One course may not be used to satisfy both the Communication Practices Core and Option Requirements.)

3. Program Assessment (0 hours): COM 499(0)

4. Public Affairs Capstone Experience will be fulfilled by completion of COM 350(3). COM 495 and COM 322 are optional.

5. Choose one of the following options:

   a. **Communication Studies** (15 hours): COM 325(3) or 326(3)*; 12 additional hours chosen from: COM 206(3), 307(3), 309(3); 322(3) or 328(3); 325(3) or 326(3)*; 332(3), 336(3), 360(3), 397(3)**, 405(3), 495(3), 506(3), 550(3), 566(3), 597(3)**; MED 580(3)

   b. **Ethical Leadership** (15 hours): COM 325(3) or 326(3); 436(3), 513(3); PHI 341(3) or 345(3); 3 additional hours chosen from: COM 206(3), 307(3), 332(3), 336(3); 360(3) or 512(3); 405(3), 495(3), 506(3), 566(3); PHI 302(3), 342(2), 513(3); PSY 555(1) and 556(2); PLS 319(3); REL 370(3)

   c. **Health Communication** (15 hours): COM 206(3); 325(3) or 326(3); 507(3), 508(3); 3 additional hours chosen from: COM 390(3), 597(3)**

   d. **Intercultural Communication and Diversity** (15 hours): COM 325(3) or 326(3); 360(3), 512(3); 6 additional hours chosen from: COM 307(3), 390(3), 397(3)**, 405(3), 495(3), 513(3), 566(3), 597(3)**

   e. **Interpersonal Communication** (15 hours): COM 325(3) or 326(3); 332(3), 405(3), 506(3); 3 additional hours chosen from: COM 307(3), 360(3), 390(3), 495(3), 511(3), 513(3), 521(3)

   f. **Organizational Communication** (15 hours): COM 332(3), 336(3); 360(3) or 512(3); 436(3), 597(3)**

   g. **Rhetoric** (15 hours): COM 322(3) or 328(3); 325(3) or 326(3); 397(3)** or 597(3)**; 566(3); 3 additional hours chosen from: COM 397(3)**, 495(3), 513(3), 550(3), 597(3)**

*If both COM 325 and 326 are taken, all 6 hours may count toward the 15 hour requirement.*

**With advisor approval. No more than 3 total hours of COM 397 or 597 may be counted toward the 33 hours required.*

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Communication (Non-Comprehensive)

Bachelor of Science

### Admission requirements

All majors in the Department of Communication must satisfy the following requirements before they can be admitted to the program.

A. Complete a minimum of 59 credit hours.

B. Complete the General Education Foundations courses.

C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.

D. Complete COM 115, COM 209, and MED 120 with a GPA of 2.50 or higher.

E. Complete any additional admission requirements for selected emphasis or major.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

### Program requirements

Students pursuing a second option in the BA and BS Communication degree (non-

comprehensive) must complete a minimum of 9 credit hours not counted as requirements on any major option. The additional major option cannot be used to satisfy the requirement of a minor or additional major.

A. General Education Program and Requirements
Specific General Education Requirements: COM 115(3), MED 120(3)

B. Major Requirements (33 hours)

1. Theory and Method Core (9 hours): COM 209(3), 210(3), 350(3)

2. Communication Practices Core (9 hours): COM 205(3), 315(3); 322(3) or 328(3). (One course may not be used to satisfy both the Communication Practices Core and Option Requirements.)

3. Program Assessment (0 hours): COM 499(0)

4. Public Affairs Capstone Experience will be fulfilled by completion of COM 350(3). COM 495 and COM 322 are optional.

5. Choose one of the following options:

   a. **Communication Studies** (15 hours): COM 325(3) or 326(3)*; 12 additional hours chosen from: COM 206(3), 307(3), 309(3); 322(3) or 328(3); 325(3) or 326(3)*; 332(3), 336(3), 360(3), 397(3)**, 405(3), 495(3), 506(3), 550(3), 566(3), 597(3)**; MED 580(3)

   b. **Ethical Leadership** (15 hours): COM 325(3) or 326(3); 436(3), 513(3); PHI 341(3) or 345(3); 3 additional hours chosen from: COM 206(3), 307(3), 332(3), 336(3); 360(3) or 512(3); 405(3), 495(3), 506(3), 566(3); PHI 302(3), 342(2), 513(3); PSY 555(1) and 556(2); PLS 319(3); REL 370(3)

   c. **Health Communication** (15 hours): COM 206(3); 325(3) or 326(3); 507(3), 508(3); 3 additional hours chosen from: COM 390(3), 597(3)**

   d. **Intercultural Communication and Diversity** (15 hours): COM 325(3) or 326(3); 360(3), 512(3); 6 additional hours chosen from: COM 307(3), 390(3), 397(3)**, 405(3), 495(3), 513(3), 566(3), 597(3)**

   e. **Interpersonal Communication** (15 hours): COM 325(3) or 326(3); 332(3), 405(3), 506(3); 3 additional hours chosen from: COM 307(3), 360(3), 390(3), 495(3), 511(3), 513(3), 521(3)

   f. **Organizational Communication** (15 hours): COM 332(3), 336(3); 360(3) or

512(3); 436(3), 597(3)**

g. **Rhetoric** (15 hours): COM 322(3) or 328(3); 325(3) or 326(3); 397(3)** or 597(3)**; 566(3); 3 additional hours chosen from: COM 397(3)**, 495(3), 513(3), 550(3), 597(3)**

** If both COM 325 and 326 are taken, all 6 hours may count toward the 15 hour requirement.*

***With advisor approval. No more than 3 total hours of COM 397 or 597 may be counted toward the 33 hours required.*

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

## Communication

Bachelor of Arts
Bachelor of Science

A. COM 209(3)

B. 12 hours of COM elective courses (6 hours of which must be chosen from courses numbered 300 or higher) to bring total hours in minor to at least 15 hours. COM 115 or transfer equivalent cannot be used to satisfy the 12 hours of COM electives in this minor.

A minimum of 9 credit hours not counted as requirements on any Department of Communication major or other Department of Communication minor is required for the completion of any minor in the Department of Communication.

Students with a BA or BS in Communication may not select any minor with the Department of Communication to meet their minor requirement.

Students with a BS in Public Relations may select the Ethical Leadership minor in the Department of Communication to fulfill their minor requirement.

Although a minor is not required for the BS in Socio-Political Communication or the BSED in Speech and Theatre Education, students may select the Ethical Leadership minor in the Department of Communication as an optional minor.

## Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Conflict and Dispute Resolution Certificate

## Conflict and Dispute Resolution

The intent of the undergraduate certificate in Conflict and Dispute Resolution is to provide concentrated training in conflict processes that can be applied to a variety of degree and professional areas. Students completing this program will have a better understanding of the dynamics of conflict and the skills to effectively negotiate conflict in a wide range of settings.

### Admission Requirements

To be admitted students must have 60 credit hours, have a 3.00 GPA, and submit a personal statement explaining their reasons for seeking the certificate and how the program will meet their professional goals. Meeting the minimum application requirements does not guarantee admission to the certificate.

### Program Requirements

A. Complete the following 3 courses: COM 205(3), 511(3), 521(3)

B. Complete 1 credit hour of internship experience that directly relates to conflict and its application in professional settings. Students must have completed COM 511 and COM 521 or 6 credit hours of equivalent conflict courses before enrolling in the internship. In most instances, certificate students will enroll in COM 495, Communication Internship, to fulfill the internship requirement. Other internship courses may be substituted with approval of the certificate advisor.

C. Complete 6 hours of elective credits. The intent of these electives is to allow students to focus on conflict processes that are specific to their professional interest area. Courses in the 6 hour elective requirement allow a more discipline specific focus than is found in the core and may include COM 397, Special Topics in Conflict, or other courses selected in consultation with the certificate advisor.

# Ethical Leadership

## Minor(s)

### Ethical Leadership

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

A. COM 436(3), 513(3); and COM 360(3) or 512(3)

B. Select one course from: COM 205(3), 322(3), 315(3), 326(3)

C. Select two courses from: COM 206(3), 307(3), 332(3), 336(3), 405(3), 495(3), 506(3), 566(3); GST 170(3); HST 324(3); PHI 302(3), 342(3), 513(3); PLS 319(3); PSY 320(3), 379(3), REL 370(3)

D. No more than 6 hours may also count toward a major.

A minimum of 9 credit hours not counted as requirements on any Department of Communication major or other Department of Communication minor is required for the completion of any minor in the Department of Communication.

Students with a BA or BS in Communication may not select any minor with the Department of Communication to meet their minor requirement.

Students with a BS in Public Relations may select the Ethical Leadership minor in the Department of Communication to fulfill their minor requirement.

Although a minor is not required for the BS in Socio-Political Communication or the BSED in Speech and Theatre Education, students may select the Ethical Leadership minor in the Department of Communication as an optional minor.

# Public Relations

## Major(s)

### Public Relations (Non-Comprehensive)

Bachelor of Science
This major is designed for students who wish to enter public relations, employee relations, and other related fields.

#### Admission requirements

All majors in the Department of Communication must satisfy the following requirements before they can be admitted to the program.

A. Complete a minimum of 59 credit hours.

B. Complete the General Education Foundations courses.

C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.

D. Complete COM 115, COM 209, and MED 120 with a GPA of 2.50 or higher.

E. Complete any additional admission requirements for selected emphasis or major.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

#### Additional admission requirements

Applicants must submit a letter grade for COM 115(3), COM 209(3), MED 120(3) and JRN 270(3). A grade point average of 2.50 or higher must be achieved across these 12 hours.

### Program requirements

Students pursuing a second option in the BA and BS Communication degree (non-comprehensive) must complete a minimum of 9 credit hours not counted as requirements on any major option. The additional major option cannot be used to satisfy the requirement of a minor or additional major.

A. General Education Program and Requirements
   Specific General Education Requirements: COM 115(3), MED 120(3)

B. Major Requirements (48 hours)
   1. Departmental Core (3 hours): COM 209(3)
   2. Public Relations Core: COM 210(3), 309(3), 336(3), 379(3), 439(3), 449(3), 509(3); and 3 additional hours from COM 495(3) or 550(3) or 509(3)
   3. Publishing Design and Technologies: 6 hours from JRN 477(3), JRN 478(3), MED 365(3), MED 390(3), CIS 195(3), ENG 373(3)
   4. Relational Communication: 3 hours from COM 205(3) or other appropriate COM course selected in consultation with advisor
   5. Advocacy and Rhetoric: COM 350(3) and 3 hours from COM 315(3) or 322(3) or 328(3)
   6. Writing: JRN 270(3); and ENG 321(3) or JRN 370(3) or JRN 374(3)
   7. COM 499(0)
   8. Public Affairs Capstone Experience will be fulfilled by completion of COM 350(3). COM 495 and COM 322 are optional.

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Socio-Political Communication

## Major(s)

### Socio-Political Communication (Comprehensive)

Bachelor of Science

**Admission requirements**

All majors in the Department of Communication must satisfy the following requirements before they can be admitted to the program.

A. Complete a minimum of 59 credit hours.

B. Complete the General Education Foundations courses.

C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.

D. Complete COM 115, COM 209, and MED 120 with a GPA of 2.50 or higher.

E. Complete any additional admission requirements for selected emphasis or major.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

**Program requirements**

Students pursuing a second option in the BA and BS Communication degree (non-comprehensive) must complete a minimum of 9 credit hours not counted as requirements on any major option. The additional major option cannot be used to satisfy the requirement of a minor or additional major.

A. General Education Program and Requirements

Specific General Education Requirements: COM 115(3), MED 120(3)

B. Major Requirements (48 hours)

1. Departmental Core (3 hours): COM 209(3)

2. COM 210(3), 315(3), 322(3), 328(3), 332(3), 350(3), 379(3), 550(3), JRN 270(3), MED 454(3), 580(3)

3. 12 hours with advisor approval from: COM 360(3), 495(3), 566(3), 597(3)*, JRN 407(3), MED 365(3), PLS 316(3), SOC 152(3)

4. Program Assessment (0 hours): COM 499(0)

5. Public Affairs Capstone Experience will be fulfilled by completion of COM 350(3). COM 495 and COM 322 are optional.

   **All special topics courses require advisor approval. No more than 6 hours of special topics may be credited toward the major.*

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Speech and Theatre Education

## Major(s)

### Speech and Theatre Education

Bachelor of Science in Education (Certifiable grades 9-12)

**Admission requirements**

All majors in the Department of Communication must satisfy the following requirements before they can be admitted to the program.

A. Complete a minimum of 59 credit hours.

B. Complete the General Education Foundations courses.

C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.

D. Complete COM 115, COM 209, and MED 120 with a GPA of 2.50 or higher.

E. Complete any additional admission requirements for selected emphasis or major.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

**Program requirements**

Students pursuing a second option in the BA and BS Communication degree (non-comprehensive) must complete a minimum of 9 credit hours not counted as requirements on any major option. The additional major option cannot be used to satisfy the requirement of a minor or additional major.

A. General Education Program and Requirements

B. Major Requirements (44 hours)
Students interested in teaching speech and theatre at the secondary level may choose one of two options: One option emphasizes communication (see below) and the other emphasizes theatre (see Department of Theatre and Dance). Both options meet state certification requirements for Speech and Theatre Education.

1. Core: COM 115(3), 322(3), 532(3), 534(3), 536(2); THE 130(3), 150(2), 151(1), 222(3), 323(3), 430(3); MED 120(3)

2. Public Affairs Capstone Experience will be fulfilled by completion of COM 491(6)

3. **Communication Option:**
   a. COM 205(3), 209(3)

   b. 6 hours of electives to be chosen from the following: COM 307(3), 320(3), 321(3), 328(3), 332(3), 336(3), 350(3), 405(3), 512(3); THE 505(3), 506(3), 510(3), 515(3), 530(3), 541(3), 542(3)

C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.

1. COM 417(3), 490(6), 491(6)

2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended

2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B

3. at least a 3.00 GPA in any additional certificate subject area

4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of English

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Creative Writing (Minor)

English (BA, BS, Minor)

English Education (BSEd)+

English for Speakers of Other Languages - ESOL (Minor)

Folklore (Minor)

Professional Writing (BA, BS)+

Teaching English to Speakers of Other Languages (Minor)

Technical Writing (Minor)

Writing (Minor)

### Graduate

English (MA)

Ozarks Studies (Certificate)

Secondary Education with an option in English (MSEd)+

Teaching English to Speakers of Other Languages (Certificate)

Teaching of Writing K-12 (Certificate)

Writing (MA)+ Accelerated Master's option available in Technical/Professional Writing Track

## Accreditations

- Missouri Department of Elementary and Secondary

## Contact

Education – English (BSEd); Secondary Education/English (MSEd)

- Council for the Accreditation of Educator Preparation – English (BSEd); Secondary Education/English (MSEd)

## Program requirements and restrictions

### Placement requirement

An ACT English score of 18 or higher or an SAT English score of 430 or higher will meet the prerequisite for enrolling in ENG 110. Students with an ACT English score of 17 or lower or an SAT English score of 429 or lower must enroll in ENG 100.

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

**Department head**

W.D. Blackmon, PhD

**Office**

Siceluff Hall, Room 215

**Phone**

417-836-5107

**Fax**

417-836-4226

**Email**

English@missouristate.edu

**Website**

english.missouristate.edu

# English Faculty

## Distinguished professors

James Baumlin, PhD

Joel Chaston, PhD

## Professors

W.D. Blackmon, PhD

Lanette Cadle, PhD

Marcus Cafagña, MFA

Rachelle L. Darabi, PhD

Keri Franklin, PhD

Judith John, PhD

Etta M. Madden, PhD

Linda Moser, PhD

Yili Shi, PhD

Margaret Weaver, PhD

Shannon Wooden, PhD

## Associate professors

Matthew Calihman, PhD

Michael G. Czyniejewski, MFA

Lyn Gattis, PhD

Rachel Gholson, PhD

## Senior instructors

R. Magdelena Berry, MA

Sara Burge, MFA

Mara Cohen-Ioannides, MA

Tracy Dalton, MA

Earl G. Holmer, MA

Jennifer L. Murvin, MA

Angelia M. Northrip-Rivera, MA

Lori Rogers, MA

Michael Stowe, MA

John Turner, MA

## Emeritus faculty

Mary F. (Tita) Baumlin, PhD

Robert D. Beckett, PhD

Linda G. Benson, PhD

Christina Biava, PhD

Phyllis Bixler, PhD

John Clark Closser, PhD

Carter M. Cramer, PhD

Michael Ellis, PhD

Kenneth Gillam, PhD

Marianthe Karanikas, PhD

Lanya Lamouria, PhD

## Assistant professors

Catherine English, PhD

Andrea B. Hellmann, EdD

Erin J. Kappeler, PhD

Danielle Lillge, PhD

Jonathan M. Newman, PhD

Leslie Seawright, PhD

Rhonda J. Stanton, PhD

Suneeta Thomas, PhD

Wesley E. Hall, EdD

D. Leigh Henson, PhD

Donald R. Holliday, PhD

James T. Jones, PhD

Richard L. Neumann, PhD

Virginia Scott-Hendrickson, MA

Harriet E. Shirley, MA

Mark Trevor Smith, PhD

Roland E. Sodowsky, PhD

Jean Stringam, PhD

Kristene S. Sutliff, PhD

Myron L. Taylor, PhD

Richard M. Turner, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# English Courses

## English (ENG) courses

**ENG 100 Introduction to College Composition**

Required of some students as determined by placement score. An introduction to the composition sequence: the purposes of whole compositions, the processes that lead to finished compositions, and the parts that combine to create compositions. Cannot be used as elective credit on any major or minor offered by the department and cannot count toward hours required for graduation. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 110 Writing I**

*Prerequisite: appropriate placement score or ENG 100.*

*General Education Course (Focus on Written Communication and Information Literacy).*

An introduction to college-level writing in which students develop critical reading and writing skills. The emphasis in reading has students locating, evaluating, and synthesizing information in an analytical and ethical manner. The emphasis in writing develops students' understanding of the ways writers generate and express ideas of different purposes to various kinds of audiences across a range of context, including social, academic, and professional. Students work on argumentation, rhetorical analysis, and editing for clarity, style, and conventions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 131 Introduction to Careers in Technical and Professional Writing**

Survey of career possibilities and the job market in technical and professional writing. Consideration of document types, formats, conventions, and development processes including discourse strategies, technology tools, collaborative writing, legal and ethical obligations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 184 Mini Literature**

Topics in literature, such as detective fiction, Missouri writers, new fiction. Check semester class schedule for topics offered. Course may be repeated, provided topic and title are different, to a maximum of 6 hours. May be counted toward General Education Humanities requirement for those following a general education catalog prior to fall 1997. Variable content course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 190 Language Skills**

Development of specific writing skills in selected areas of composition, such as sentence grammar and structure, punctuation and capitalization, spelling, diction and dictionary use, outlining and organization. Not a composition course. Check semester class schedule to determine topics being offered. Course may be repeated, provided topic and title are different, to a maximum of 3 hours. Will not satisfy the general education requirement in English. Variable content course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 191 Grammar Skills**

Development of specific skills in American English grammar (including sentence structure, punctuation, capitalization, spelling, and diction). Students will explore and discuss grammar and usage in written communication. Not a composition course. Cannot be used to satisfy any General Education requirement in English or any requirement in the Bachelor of Science in Education degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 200 Great Books and Instant Classics**

*General Education Course (Focus on Humanities).*

The works that society calls its "great books" tell us much about how the society views itself. Popular forms of linguistic expression, though sometimes less celebrated, similarly reflect a culture's sense of itself. Examining a range of texts, time-honored and otherwise, from numerous critical perspectives, this course explores how literatures reflect the values of the societies that create and enjoy them. Appropriate for students in all majors.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ENG 201 Public Issues in Popular Culture**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

A writing-intensive course that examines contemporary public issues through a variety of cultural expressions, from fiction, poetry, television and comics, to political discourse, folklore, web-based media, and song lyrics, among other popular genres. Exploring issues from these multiple viewpoints, the course will investigate the various underlying value systems that both inform the rhetorical construction of the texts and influence the attitudes and behaviors of their readers.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 203 Creative Writing: Poetry**

*Prerequisite: ENG 110.*

*General Education Course (Focus on the Arts).*

Introduction to the theory, art, cultural context, craft, and process of poetry writing. Analysis of the full stylistic range of the modern poem and practical experience in writing in the form, with focus on the process form of writing through revision and the collaborative workshop experience.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ENG 205 Creative Writing: Nonfiction**

*Prerequisite: ENG 110.*

*General Education Course (Focus on the Arts).*

A study of the key characteristics of creative nonfiction, including an introduction to the evolving forms of text classified as creative nonfiction. Practice in writing prose with a focus on collaborative workshops and revision. Emphasis on the creative interpretation of complex thoughts and human experiences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ENG 210 Writing II: Writing Across the Disciplines**

*Prerequisite: 30 hours and ENG 110 or equivalent.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

Practice in the writing and research of various disciplinary fields of study; experience with integrating and applying academic forms to specific problems and situations. Includes the study of ways knowledge is made and expressed in various disciplines.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 215 Creative Writing: Short Story**

*Prerequisite: ENG 110.*

*General Education Course (Focus on the Arts).*

Introduction to the theory, art, cultural context, craft, and process of short story writing. Analysis of the full stylistic range of the modern short story and practical experience in writing in the form, with focus on the process form of writing through revision and the collaborative workshop experience.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ENG 216 Introduction to the Graphic Novel**

*Prerequisite: ENG 110.*

Introduction to the literature, theory, technique, and terminology of graphic narrative and practical experience in the writing of graphic narrative.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 221 Writing II: Writing for the Professions**

*Prerequisite: 30 hours and ENG 110 or equivalent.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

Students apply discipline-specific knowledge to a variety of writing situations encountered by professionals: correspondence, proposals, documented research reports, abstracts, definitions, product and process descriptions. Projects emphasize developing skills in audience analysis, including multicultural considerations; analytical reading; critical thinking; research methods; and clear writing, with attention to the ethical dimensions of workplace writing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 222 Writing for Social Change**

*Prerequisite: 12 hours, and ENG 110 or equivalent.*

*General Education Course (Focus on Public Issues).*

Students examine the persuasive power of language to effect social change. Through the analysis of key historic texts, students identify effective writing techniques. Students articulate creative, researched, and well-reasoned solutions to socially relevant problems. Projects include blogs, proposals, op-ed pieces, and social-media strategies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 225 Creative Writing: Playwriting**

*Prerequisite: ENG 110.*

Problems in playwriting.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 235 Critical Approaches to Literature**

*Prerequisite: ENG 110.*

Writing analytical papers employing a variety of critical methods of reading and interpreting poetry, fiction, and drama.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 282 Literature by Women**

*General Education Course (Focus on Humanities).*

Students will read literature by women from various cultures, continents, and historical periods. Course explores how female experience is shaped by cultural contexts as well as how women authors have used writing to change societies' ideas about women and men. Emphasis is on basic elements of literary study and of feminist analysis. Coursework includes discussion, exams, and short papers. Appropriate for students in all majors.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 283 Folklore and Cultural Engagement**

*General Education Course (Focus on Humanities).*

Reading and examination of oral, nonverbal, and written tradition as expressions of culture, introduction of folklore research methods; the major genres of folklore including folk narrative, folk song, and material culture; and folklore's influence on perceptions and behaviors from the personal to cultural and international levels.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 285 Subjects in Folklore**

*Prerequisite: ENG 110.*

Reading and examination of folklore, as folk art and as cultural holding material; study may focus on types (such as myth, legend, fairy tales); groups (such as miners, cowboys, railroaders); or regions (such as Ozarks, New England, or Scandinavia). Student requests will be considered. May be repeated to a total of 6 hours. Variable content course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 287 Life Stages in Literature**

*Prerequisite: ENG 110.*

Study of poetry, fiction, drama, biography, and autobiography selected to explore how factors such as historical era, ethnicity, religion, social class, family structure, and gender shape one's experience of life stages; emphasis on class discussion and various kinds of writing, some of it autobiographical; an introductory literature course for English majors and non-majors.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 289 Literature, Culture, and Conflict**

*General Education Course (Focus on Cultural Competence).*

This course explores how literature imagines cultural identities, conflicts within and between cultural groups, and efforts to resolve these conflicts. For the purposes of this course, culture will be understood in terms of such categories as nation, region, language, race, ethnicity, religion, social class, family structure, gender, sexuality, age, and disability. Through the critical analysis of literature and through personal reflection on literary texts, students will learn to recognize, describe, and understand their own and others' cultures, the histories of these cultures, and their divergences and convergences. Students will also consider how knowledge of multiple cultures can form a foundation for ethical decision-making and action in a variety of public arenas. Appropriate for student in all majors.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 291 Introduction to Teaching English to Speakers of Other Languages TESOL**

*Prerequisite: ENG 110 and 30 hours; and concurrent enrollment in ENG 300.*

Introduction to basic concepts in Teaching English to Speakers of Other Languages (TESOL), including bilingualism, second language acquisition, current methods and materials used to teach ESOL, and language policy in the U.S.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 296 Introduction to Linguistics**

*Prerequisite: ENG 110.*

Introduction to fundamental concepts of linguistic theory as they apply to languages of the world, especially English. Areas covered include phonology, morphology, syntax, and semantics, and some applied areas, such as language variation, change, and acquisition, disorders, and language and culture. Students cannot receive credit for both ENG 296 and ENG 591.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 300 Service Learning in English**

*Prerequisite: 30 hours and concurrent registration in an English course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in English. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes 40 hours of service that benefits an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 301 Seminar in English Studies and Public Affairs**

*Prerequisite: ENG 235; and must be taken in the senior year or by permission (with a minimum of 75 hours completed).*

Explores how literature shapes and is shaped by public debates, cultural heritages, and community needs. Course Unit 1, "Writers, Writing, and Leadership," examines writers' and literary institutions' interventions in crises of leadership, types of writing that have developed to fill voids in leadership, and/or, literary representations of leadership. Unit 2, "Writing Cultures and Intercultural Encounters," considers writers' efforts to imagine or represent cultures and cross-cultural relations. Unit 3, "Texts and Their Communities," focuses on the relations between texts and their audiences, the development of literary communities and institutions, and/or the process of writing or editing a text for a particular local community. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 303 Creative Writing: Poetry II**

*Prerequisite: ENG 203.*

An intermediate course, aimed at developing skills and extending knowledge begun in ENG 203.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 305 Creative Writing: Nonfiction II**

*Prerequisite: ENG 205.*

Intermediate study in the nonfiction genre. Variable content course with a focus in a specific subgenre of nonfiction, such as memoir, travel writing, personal cultural criticism, and narrative nonfiction. Students will read and analyze works and write within the subgenre. May be repeated to a total of 6 hours when the topic varies. Approved Recurring Topic: Memoir. Focused study of the craft of memoir. This course will introduce students to the various subgenres of memoir, including book-length memoir, graphic memoir, flash nonfiction, and traditional short memoir as published in literary magazines or collections, to prepare students' writing for a variety of opportunities in literary publication. Students will participate in a workshop environment to develop original memoirs. Approved Recurring Topic: Narrative Nonfiction. Focused study of the craft of narrative nonfiction. This course will introduce students to the various characteristics of narrative nonfiction, including book-length and shorter works. Students will participate in a workshop environment to develop original works of narrative nonfiction.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 310 Writing II: Writing for Graduate and Professional Schools**

*Prerequisite: 45 hours and ENG 110 or equivalent.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

Practice in writing genres common to both graduate and graduate/professional school writing, including documented research writing and proposals (including significant work examining current problems through cross-disciplinary viewpoints), letters of application, admission essays, and vitae.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 312 Introduction to Shakespeare**

*Prerequisite: ENG 110.*

Selected representative plays and poems of Shakespeare.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 315 Creative Writing: Fiction II**

*Prerequisite: ENG 215.*

Intermediate-level work in short story writing. Introduction to the theory, techniques, and terminology of novella and novel writing. Individual conferences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 316 Graphic Narrative II**

*Prerequisite: ENG 216 or permission of instructor.*

Intermediate study in the literature and technique of graphic narrative and practical experience in writing and illustrating comics. Identical with ART 320. Cannot receive credit for both ENG 316 and ART 320.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 321 Writing II: Beginning Technical Writing**

*Prerequisite: 45 hours and ENG 110 or equivalent.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

Experience in community engagement through client-based projects in which students synthesize information and apply skills learned in this and other classes. Using primary and secondary research, students solve problems by developing employment materials, brochures, instructions, graphics, manuals, or other professional documents. Emphasis on audience analysis, including multicultural considerations, as well as on presenting information clearly, concisely, and ethically in both prose and visuals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 325 Creative Writing Playwriting II**

*Prerequisite: ENG 225.*

Intermediate-level work in playwriting. Analysis of dramatic structure. Practice in writing one-act and full-length scripts. Workshop staged readings of student scripts. Marketing strategies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 330 Studies in Literature**

*Prerequisite: ENG 110.*

Examination of literary modes such as humor, satire, fantasy, tragedy, or genres such as essay, short story, biography. May be repeated for up to 6 hours with variable topics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 334 Literature for Children**

*Prerequisite: ENG 110.*

Study of various genres-poetry, picture books, traditional stories, modern realistic and fantasy fiction, nonfiction--appropriate for early childhood and elementary grades; criteria for selection. Satisfies a requirement for Early Childhood and Elementary Certification.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 336 Literature for Middle School**

*Prerequisite: ENG 110.*

Study of various genres-poetry, illustrated books, modern realistic and fantasy fiction, drama, nonfiction--appropriate for middle school (grades 5-9); criteria for selection.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 338 Literature for Young Adults**

*Prerequisite: ENG 110 and 60 hours.*

Study of various genres-poetry, realistic and fantasy fiction, nonfiction, drama, film--appropriate for secondary school; criteria for selection. Satisfies a requirement for Secondary English Certification.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 339 Writing for Children and Young Adults**

*Prerequisite: ENG 110.*

Introductory practice writing in genres such as literary folk tales, fantasy, realistic fiction, nonfiction, picture book texts, and poetry for young readers at different stages of maturity. Emphasizes the writing process as well as the final product.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 340 Survey of English Literature I**

*Prerequisite: ENG 110.*

Representative authors, movements, ideas, and styles in English literature from the beginning to 1790.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 341 Survey of English Literature II**

*Prerequisite: ENG 110.*

Representative authors, movements, ideas, and styles in English literature from 1790 to the present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 350 Survey of American Literature I**

*Prerequisite: ENG 110.*

Representative authors, movements, ideas, and styles in American literature from the beginning to 1870.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 351 Survey of American Literature II**

*Prerequisite: ENG 110.*

Representative authors, movements, ideas, and styles in American literature from 1870 to the present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 354 Ethnic American Literature**

*Prerequisite: ENG 110.*

Study of representative literary works by African American, Hispanic American, Native American, or other minority authors. May be repeated to a total of 6 hours if topic is different. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 355 African-American Literature**

*Prerequisite: ENG 110.*

Survey of representative works of fiction, poetry, personal narratives, and essays in the context of social and cultural movements.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 360 Survey of European Literature I**

*Prerequisite: ENG 110.*

European literature beginning with the Bible and Greek works, and ending at 1700. (Excludes British literature)

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 361 Survey of European Literature II**

*Prerequisite: ENG 110.*

European literature from 1700 to the present. (Excludes British literature)

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 362 Non-European World Literature**

*Prerequisite: ENG 110.*

Literature from all areas (except literature of England, Western Europe, and the United States). May be repeated to a total of 6 hours if topic is different. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 363 Introduction to African Literature**

*Prerequisite: ENG 110.*

Survey of representative works of fiction, poetry, drama, folklore, personal narratives, and essays from various countries on the African continent written in or translated into English.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 366 Popular Fiction**

*Prerequisite: ENG 110 or equivalent.*

Reading and discussion of such popular fiction genres as detective/crime, romance, sci-fi/fantasy, horror, Western, and/or espionage. Some attention to these fictions' histories, connections to other popular culture, and relationships to "literary" fiction

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 373 Writing with Technology**

*Prerequisite: ENG 110 or equivalent; and 45 hours.*

Explores the ethical use of software and hardware tools that professional writers use in the workplace to create and distribute technical information. Students will produce projects to gain a hands-on understanding of the tools used in developing online help and printed documentation, working with graphics, and other relevant areas. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 377 Scientific and Technical Editing**

*Prerequisite: ENG 110 and 60 hours.*

The process of creating a new piece of writing by clarifying, reducing, expanding, and synthesizing materials written by others. Emphasis on audience adaptation; professional ethics; and document organization, style, and mechanics through a client-based editing project. Focus on building author-editor relationships while managing the editing cycle.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 385 Ozarks Traditions**

*Prerequisite: ENG 283.*

The course will introduce elements of folklore theory applicable to museum and performance presentation, and include reading and examination of folk worlds within the Ozarks context. Major genres covered may include ballad, legend, folk tale, and folk song.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 386 Literature of the Ozarks**

*Prerequisite: ENG 110.*

Survey of representative works of fiction and poetry focusing on the Ozarks or Ozarks characters.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 390 Modern English Grammar**

*Prerequisite: 60 hours.*

The structure of American English, with emphasis on current descriptive approaches to English grammar.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 405 Teaching of Middle and High School English**

*Prerequisite: 30 hours in English and admitted to teacher education program.*

Techniques of teaching literature, the English language, and media as it relates to the English classroom; organization of teaching materials with particular emphasis on unit construction. A field experience under the mentorship of an experienced classroom teacher is required. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take ENG 432 or ENG 433. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**ENG 421 Advanced Technical Writing**

*Prerequisite: ENG 321.*

Practice in planning and managing projects. Emphasis is researched-based audience analysis, document design, and usability testing, including ethical considerations. Students complete a client-based design project and supporting documents. Emphasis on practical and marketable skills. Public Affairs Capstone Experience course. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 422 Career Focus in Professional Writing**

*Prerequisite: ENG 373 and ENG 377 and ENG 421.*

A capstone course emphasizing reflection and synthesis of concepts from previous courses. Focus on skills associated with the smooth transition from an academic study of professional writing to the professional workforce. Students prepare a portfolio that demonstrates their integration of course and program outcomes and complete individual research projects related to the three pillars of the Public Affairs mission, including topics ranging from ethical and legal issues to globalization and localization. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 432 Supervised Teaching (Secondary English)**

*Prerequisite: ENG 405; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in ENG 433.*

Student observes then teaches English classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 433 Supervised Teaching (Secondary English)**

*Prerequisite: concurrent enrollment in ENG 432.*

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 434 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 435 Advanced Literary Theory: From Antiquity to the Present**

*Prerequisite: 60 hours.*

Literary theory from antiquity to the present. Emphasis on history and application of contemporary literary theories / schools to writing about literature and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 455 African-American Drama**

*Prerequisite: ENG 110 and 60 hours.*

Study of intersections of dramatic art and politics including survey of theatrical styles such as realism, surrealism, agit-prop, and theatre-of-the-absurd.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 473 Writing with Technology II**

*Prerequisite: ENG 373.*

Builds on concepts students learn in ENG 373. Students will gain hands-on practice working with more-advanced tools and features that professional writers use to produce technical documents. Topics may include, but are not limited to, desktop publishing, web-page creation, single sourcing, and accessibility. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 483 Folklore and Literature**

*Prerequisite: ENG 283.*

Reading and examination will emphasize folklore as a definitive characteristic of varied North American literary texts. Fictional, visual, and audio texts may be examined. This course will offer readings focusing on Folklore in Literature (e.g., Children's Literature, Local Color Literature), literature presenting immigrant, ethnic, and social groups of North American regions such as the Ozarks, Appalachians, or Maritimes, or other topics of student interest.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 485 Study of American Folklore**

*Prerequisite: ENG 110.*

Introduction to what folklore is, its types, why it varies between folk worlds; basic folklore research methods. Influence of folklore on other forms of literature.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 487 Analysis of Scientific Literature**

*Prerequisite: ENG 110 and 60 hours.*

Examines the history and development of scientific writing. Students survey a broad selection of scientific literature to better understand the cultural and ethical implications of science writing as they apply to both the field of scientific and technical writing and the broader society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 491 History of the English Language**

*Prerequisite: 60 hours.*

Historical development of the English language from its Indo-European roots to present-day American English. Considers written language as a source of evidence, language as a cultural artifact, and the dynamics of linguistic/cultural contact.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 494 Dialects of American English**

*Prerequisite: 60 hours.*

Regional, social, and ethnic variation in American English. Incorporates linguistic geography and sociolinguistic approaches, and considers relevant political and educational issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 500 Advanced Writing: Nonfiction**

*Prerequisite: ENG 305 or ENG 321.*

Group discussion and criticism. Individual writing projects. Students lacking a course prerequisite must submit two manuscripts for consideration when applying for permission. May be organized around one or more of the following nonfiction genres: creative nonfiction, magazine writing, and popular science writing. May be repeated for a total of 6 hours. May be taught concurrently with ENG 604. Cannot receive credit for both ENG 604 and ENG 500.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 501 Advanced Writing: Fiction**

*Prerequisite: ENG 315.*

Group discussion and criticism. Individual writing projects. Students lacking the course prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be repeated to a total of 6 hours. May be taught concurrently with ENG 601. Cannot receive credit for both ENG 601 and ENG 501.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 503 Advanced Writing: Poetry**

*Prerequisite: ENG 303.*

Group discussion and criticism. Individual writing projects. Students lacking the course prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be repeated to a total of 6 hours. May be taught concurrently with ENG 607. Cannot receive credit for both ENG 607 and ENG 503.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 505 Methods in Teaching English to Speakers of Other Languages TESOL**

*Prerequisite: ENG 595.*

Contemporary approaches to teaching grammar, reading, writing, listening, and speaking for students who are learning English as a second language. Includes material design, development, and evaluation; student assessment; integration of all components into a unified TESOL curriculum. May be taught concurrently with ENG 605. Cannot receive credit for both ENG 605 and ENG 505.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 506 Advanced Writing: Drama**

*Prerequisite: ENG 225.*

Group discussion and criticism. Individual writing projects. Students lacking a prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be repeated to a total of 6 hours. May be taught concurrently with ENG 606. Cannot receive credit for both ENG 606 and ENG 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 508 Creative Writing Project**

*Prerequisite: ENG 500 or ENG 501 or ENG 503.*

Directed development of a substantial work of poetry, fiction, or non-critical prose, prepared for publication. May be taught concurrently with ENG 609. Cannot receive credit for both ENG 609 and ENG 508.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 510 Chaucer**

*Prerequisite: 60 hours.*

The Canterbury Tales and other works by Chaucer; social, historical, literary, and linguistic background of late Middle Ages. May be taught concurrently with ENG 615. Cannot receive credit for both ENG 615 and ENG 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 512 The British Novel**

*Prerequisite: 60 hours.*

Works by major figures in the development of the British novel, such as Fielding, Austen, Dickens, George Eliot, Hardy, Lawrence, and Woolf; major criticism of the genre. May be taught concurrently with ENG 618. Cannot receive credit for both ENG 618 and ENG 512.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 513 Shakespeare**

*Prerequisite: 60 hours.*

Selected plays and poems of Shakespeare, representative criticism, and Shakespeare's theatre and milieu. May be taught concurrently with ENG 613. Cannot receive credit for both ENG 613 and ENG 513.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 514 British Drama**

*Prerequisite: 60 hours.*

Representative British plays from pre-Renaissance times to present, including such authors as Marlowe, Congreve, Wilde, and Shaw. May be taught concurrently with ENG 614. Cannot receive credit for both ENG 614 and ENG 514.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 517 The American Novel**

*Prerequisite: 60 hours.*

Works by major figures in the development of the American Novel, such as Twain, James, Howells, Dreiser, Lewis, Hemingway, Faulkner, and Warren; major criticism of the genre. May be taught concurrently with ENG 617. Cannot receive credit for both ENG 617 and ENG 517.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 519 American Drama**

*Prerequisite: 60 hours.*

Development of American Drama to the present; emphasis on 20th century, including such authors as O'Neill, Wilder, Hellman, Williams, Miller, and Albee; major criticism of the genre. May be taught concurrently with ENG 619. Cannot receive credit for both ENG 619 and ENG 519.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 520 Composition and Rhetoric in High School and Junior College**

*Prerequisite: ENG 235; and admitted to the Teacher Education Program.*

A survey of current writing and evaluation practices. Training in the teaching and evaluating of oral and written composition. The student will have an opportunity to examine methods currently taught in area high schools. May be taught concurrently with ENG 629. Cannot receive credit for both ENG 629 and ENG 520.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 521 Writing for Teachers**

*Prerequisite: 60 hours.*

A course intended to develop the writing of prospective and in-service teachers and to explore the means by which writing can be encouraged, developed, and assessed. May be taught concurrently with ENG 631. Cannot receive credit for both ENG 521 and ENG 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 523 Writing Center Theory and Practice**

*Prerequisite: 60 hours.*

Collaborative workshop designed to prepare individuals for teaching one-to-one in a writing center environment. May be taught concurrently with ENG 623. Cannot receive credit for both ENG 623 and ENG 523.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 525 History of Rhetoric**

*Prerequisite: 60 hours.*

Study of historical trends important to the development of written discourse and writing instruction. Survey of theory from classical antiquity through the nineteenth century. May be taught concurrently with ENG 627. Cannot receive credit for both ENG 627 and ENG 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 526 Modern Rhetorical Theory**

*Prerequisite: 60 hours.*

A continuation of ENG 525. Study of twentieth-century rhetorical theory and its applications in literary criticism, literacy, technical writing, and/or composition. May be taught concurrently with ENG 628. Cannot receive credit for both ENG 628 and ENG 526.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 533 Studies in Children's Literature**

*Prerequisite: 60 hours.*

A study of significant themes (such as gender, ethnicity, or childhood) or genres (such as children's poetry, the picture book, and the literary folktale and historical fiction) in literature for the young. May be repeated when content varies. May be taught concurrently with ENG 633. Cannot receive credit for both ENG 633 and ENG 533.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 534 Historical Perspectives in Children's Literature**

*Prerequisite: 60 hours.*

Study of one or more periods in the historical development of children's literature, such as the Golden Age of children's classics, twentieth-century British children's literature, and the novels for children since 1950. May be repeated when content varies. May be taught concurrently with ENG 634. Cannot receive credit for both ENG 634 and ENG 534.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 536 Young Adult Novel**

*Prerequisite: 60 hours.*

Study of various kinds of novels written for young people; includes historical perspectives; emphasizes developments since the "New Realism" of the 1960s. May be taught concurrently with ENG 636. Cannot receive credit for both ENG 636 and ENG 536.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 539 Advanced Writing for Children and Young Adults**

*Prerequisite: ENG 339.*

Group discussion and criticism. Individual writing projects. Students lacking the course prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be taught concurrently with ENG 639. Cannot receive credit for both ENG 639 and ENG 539.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 541 Renaissance Literature**

*Prerequisite: 60 hours.*

Sidney, Spenser, Donne, Milton, and other major non-dramatic writers; literary developments, 1500-1660. May be taught concurrently with ENG 641. Cannot receive credit for both ENG 641 and ENG 541.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 543 Restoration and 18th Century Literature**

*Prerequisite: 60 hours.*

Dryden, Swift, Pope, Johnson, and other significant writers; literary developments, 1660-1798. May be taught concurrently with ENG 643. Cannot receive credit for both ENG 643 and ENG 543.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 544 British Romantic Literature**

*Prerequisite: 60 hours.*

Blake, Wollstonecraft, Dorothy Wordsworth, William Wordsworth, Coleridge, Byron, Mary Shelley, Percy Bysshe Shelley, Keats; cultural backgrounds and literary developments, 1798-1837. May be taught concurrently with ENG 642. Cannot receive credit for both ENG 642 and ENG 544.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 546 Victorian Literature**

*Prerequisite: 60 hours.*

Tennyson, Browning, the Rossettis, Hardy, and other British Victorian writers; literary developments, 1837-1901. May be taught concurrently with ENG 646. Cannot receive credit for both ENG 646 and ENG 546.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 547 Modern British Literature**

*Prerequisite: 60 hours.*

Significant works from several genres by authors such as Conrad, Yeats, Greene, Lessing, and Stoppard; literary developments, 1901-present. May be taught concurrently with ENG 645. Cannot receive credit for both ENG 645 and ENG 547.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 548 Major British Authors**

*Prerequisite: 60 hours.*

Study of several major works by one or two British writers, such as Marlowe and Jonson, Johnson and Boswell, George Eliot and Hardy, Yeats and T.S. Eliot, Amis and Larkin; the intellectual milieu of their works. May be taught concurrently with ENG 649. Cannot receive credit for both ENG 649 and ENG 548.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 551 Literary Publication**

*Prerequisite: ENG 303 or ENG 315 or ENG 325.*

Practical experience with the literary publication process, including the editing work that goes into literary journals and the process of submitting and publishing creative work. Students will be introduced to such various aspects of the literary market and other opportunities for creative writers, as conferences and writing workshops. Students will learn about the publishing process through such University publications projects as the English Department's Moon City Press. May be taught concurrently with ENG 651. Cannot receive credit for both ENG 551 and ENG 651.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 553 American Romantic Literature**

*Prerequisite: 60 hours.*

Significant works from several genres by authors such as Cooper, Poe, Irving, Thoreau, Emerson, Hawthorne, Melville, and Whitman; literary developments to 1855. May be taught concurrently with ENG 652. Cannot receive credit for both ENG 652 and ENG 553.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 554 Topics in Ethnic American Literature**

*Prerequisite: 60 hours.*

Focus on one or more of the following: African American literature, Asian American literature, Latina/o literature, Native American literature, the literatures of European American immigrant groups, and relevant literary criticism. May be repeated up to 6 hours if content varies. May be taught concurrently with ENG 654. Cannot receive credit for both ENG 554 and ENG 654, for the same course content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**ENG 557 American Realism**

*Prerequisite: 60 hours.*

Significant works from several genres by authors such as Twain, Howells, James, Crane, and Frost; literary developments, 1855-1914. May be taught concurrently with ENG 656. Cannot receive credit for both ENG 656 and ENG 557.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 558 Major American Authors**

*Prerequisite: 60 hours.*

Study of several major works by one or two writers, such as Emerson and Thoreau, Frost and Dickinson, Sexton and Lowell; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 661. Cannot receive credit for both ENG 661 and ENG 558.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 559 Modern American Literature**

*Prerequisite: 60 hours.*

Significant works from several genres by authors such as Fitzgerald, Hemingway, Lowell, Roethke, Bellow, and O'Connor; literary developments, 1914-present. May be taught concurrently with ENG 659. Cannot receive credit for both ENG 659 and ENG 559.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 562 Contemporary American Poetry/Fiction**

*Prerequisite: 60 hours.*

A survey of contemporary American poetry or fiction, which encompasses a selection of significant authors and traces the history and development of various literacy theories, schools and movements, from New Criticism through more recent trends in both narrative and lyric modes (poetry) and Post-Modern narrative techniques (fiction). Variable content course. May be repeated up to 6 hours if topic is different. May be taught concurrently with ENG 662. Cannot receive credit for both ENG 562 and ENG 662 unless topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 563 Literature and Medicine**

*Prerequisite: 60 hours.*

This course examines literary representations of health and illness, ability and disability, and cultural practices of healing. Drawing on major theoretical movements in medical humanities, students will situate literary texts within the ethical situations and institutional structures of their community and culture. May be taught concurrently with ENG 663. Cannot receive credit for both ENG 563 and ENG 663.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 565 Literature and Language Workshop**

*Prerequisite: 60 hours.*

Variable topics related to the use of writing and literature in the classroom. Number of class hours determined by length of workshop. May be repeated for a total of 6 hours. May be taught concurrently with ENG 665. Cannot receive credit for both ENG 665 and ENG 565.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ENG 568 Major World Authors**

*Prerequisite: 60 hours.*

Study of several major works by one or two writers, such as Aristophanes and Sophocles; Ibsen and Strindberg; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 668. Cannot receive credit for both ENG 668 and ENG 568.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 570 Writing in the Health Professions**

*Prerequisite: 60 hours; and ENG 321 or ENG 310 or NUR 472 or equivalent.*

Rhetorical analysis and production of a broad range of document genres, including public health campaigns, grant proposals, medical reports, and patient information materials. Students research and present their findings on current issues in the field. Emphasis on audience analysis, document design principles, and ethical considerations. May be taught concurrently with ENG 678. Cannot receive credit for both ENG 678 and ENG 570.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 572 Writing Grant Proposals**

*Prerequisite: Writing II and 60 hours.*

Studying and applying basic elements of grant-proposal writing, including identifying potential funding sources, aligning projects with goals of funders, writing a compelling statement of need, and establishing a credible method of accomplishing goals as well as a reasonable budget and timeline. Emphasis on tailoring proposals to prospective funders in concise, persuasive writing. May be taught concurrently with ENG 672. Cannot receive credit for both ENG 572 and ENG 672.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 573 Writing for the Web**

*Prerequisite: 60 hours.*

Explores the professional writer's role in creating web pages and sites designed to deliver information. Topics include planning, user analysis, organization, structure, presentation, content development, writing style, and accessibility accommodation. May be taught concurrently with ENG 679. Cannot receive credit for both ENG 573 and ENG 679. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 574 Technical Writing Internship**

*Prerequisite: ENG 421 and permission of instructor.*

Projects in technical writing, combining academic training and supervised work experience in business, industry, government, academia, or nonprofit organizations. Students are required to work a minimum of 135 hours. May be taught concurrently with ENG 694. Cannot receive credit for both ENG 694 and ENG 574. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 575 Topics in Professional Writing**

*Prerequisite: ENG 421 and 60 hours.*

Covers a single topic within the field of professional writing. The subject will vary according to student demand and faculty availability. Examples include writing for the legal profession, writing proposals, regulatory writing, developing training materials, and ethics in professional writing. Approved Recurring Course Topic: Data Displays in Technical Documents. Practice in developing data displays. Students identify appropriate data displays for given contexts, use design principles to organize and display data effectively, and evaluate data displays for accuracy and ethical presentation. May be repeated to a total of 6 hours when the topic varies. Variable content course. May be taught concurrently with ENG 684. Cannot receive credit for both ENG 684 and ENG 575 unless topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 580 Gender Issues in Language and Literature**

*Prerequisite: ENG 110 and 60 hours.*

Consideration of gender issues from the standpoint of literary history, genre, composition/rhetoric, linguistics, or feminist theory. May be repeated to a total of 6 hours if topic is different. May be taught concurrently with ENG 682. Cannot receive credit for both ENG 682 and ENG 580.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 583 Themes in Folkloristics**

*Prerequisite: 60 hours.*

A topical course investigating the relationship of folklore and daily life through reading and examination of the field and its genres as a global discipline. Consideration of lived-environments such as occupational, educational, and popular culture settings or themes. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 683. Cannot receive credit for both ENG 683 and ENG 583.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 590 Grammatical Analysis**

*Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.*

Advanced study of English morphology and syntax using a variety of current approaches, including phrase-structure, transformational, discourse-based, and semantic-based grammars. May be taught concurrently with ENG 690. Cannot receive credit for both ENG 690 and ENG 590.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 591 Linguistic Theory**

*Prerequisite: 60 hours.*

A specialized survey of linguistics intended for graduate and advanced undergraduate students. Areas covered include, but are not limited to, phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Students cannot receive credit for both ENG 296 and ENG 591. May be taught concurrently with ENG 691. Cannot receive credit for both ENG 691 and ENG 591.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 592 Sociolinguistics for Language Teaching**

*Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.*

Various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language altitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. May be taught concurrently with ENG 688. Cannot receive credit for both ENG 688 and ENG 592.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 593 Studies in Linguistics**

*Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.*

Topics in linguistics including history of linguistics, language acquisition, or transformational grammars. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 689. Cannot receive credit for both ENG 689 and ENG 593.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 595 Principles of Second Language Acquisition**

*Prerequisite: 60 hours and ENG 296 or ENG 390 or ENG 591.*

The processes of both first and second language acquisition, with an emphasis on Teaching English to Speakers of Other Languages (TESOL) and bilingualism. Includes the theory behind and history of TESOL methodologies, as well as contemporary theoretical issues in TESOL. May be taught concurrently with ENG 695. Cannot receive credit for both ENG 695 and ENG 595.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 596 Materials and Assessment in Teaching English to Speakers of Other Languages TESOL**

*Prerequisite: 60 hours and ENG 595.*

Practical and theoretical perspectives in specific areas in TESOL, including speaking, grammar, composition, and critical reading. Consideration of material design and student assessment. May be taught concurrently with ENG 696. Cannot receive credit for both ENG 696 and ENG 596.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 597 Practicum in Teaching English to Speakers of Other Languages TESOL**

*Prerequisite: ENG 505 and ENG 596.*

Application of coursework in TESOL with individualized experience based on students' needs and background, especially in composition, grammar, and pronunciation. May be taught concurrently with ENG 697. Cannot receive credit for both ENG 697 and ENG 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 598 Early English Language and Literature**

*Prerequisite: 60 hours.*

Special topics in Old and Middle English language and literature, including an understanding of the linguistic structure of early English, experience in working with a variety of medieval English texts, and application of various linguistic and literary theories to the study of Old and Middle English writing. May be repeated to 6 hours if topic is different. Will not count toward any teacher certification requirement. May be taught concurrently with ENG 698. Cannot receive credit for both ENG 698 and ENG 598.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 599 Advanced Seminar in Literature**

*Prerequisite: ENG 235, and Writing II General Education Course, and 80 hours.*

Study of contemporary methodologies in literary criticism and preparation of a seminar paper, which may extend work from a previous course. Emphasis on presenting and publishing scholarly work. This course is strongly recommended for anyone considering graduate study in Literature. Graduating seniors are given enrollment priority.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 601 Advanced Writing: Fiction**

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 501. Cannot receive credit for both ENG 501 and ENG 601.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 604 Advanced Writing: Nonfiction**

Group discussion and criticism. Individual writing projects. May be organized around one or more of the following non-fiction genres: creative nonfiction, magazine writing, stylistics, and popular science writing. May be repeated for a total of 6 hours. May be taught concurrently with ENG 500. Cannot receive credit for both ENG 500 and ENG 604.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 605 Methods in Teaching English to Speakers of Other Languages (TESOL)**

Contemporary approaches to teaching grammar, reading, writing, listening, and speaking for students who are learning English as a second language. Includes material design, development, and evaluation; student assessment; integration of all components into a unified TESOL curriculum. May be taught concurrently with ENG 505. Cannot receive credit for both ENG 505 and ENG 605.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 606 Advanced Writing: Drama**

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 506. Cannot receive credit for both ENG 506 and ENG 606.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 607 Advanced Writing: Poetry**

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 503. Cannot receive credit for both ENG 503 and ENG 607.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 609 Creative Writing Project**

*Prerequisite: permission of instructor.*

Directed development of a substantial work of poetry, fiction, or non-critical prose, prepared for publication. May be taught concurrently with ENG 508. Cannot receive credit for both ENG 508 and ENG 609.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 613 Shakespeare**

Selected plays and poems of Shakespeare, representative criticism, and Shakespeare's theatre and milieu. May be taught concurrently with ENG 513. Cannot receive credit for both ENG 513 and ENG 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 614 British Drama**

Representative British plays from pre-Renaissance times to present, including such authors as Marlowe, Congreve, Wilde, and Shaw. May be taught concurrently with ENG 514. Cannot receive credit for both ENG 514 and ENG 614.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 615 Chaucer**

The Canterbury Tales and other works by Chaucer; social, historical, literary, and linguistic background of late Middle Ages. May be taught concurrently with ENG 510. Cannot receive credit for both ENG 510 and ENG 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 617 The American Novel**

Works by major figures in the development of the American Novel, such as Twain, James, Howells, Dreiser, Lewis, Hemingway, Faulkner, and Warren; major criticism of the genre. May be taught concurrently with ENG 517. Cannot receive credit for both ENG 517 and ENG 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 618 The British Novel**

Works by major figures in the development of the British novel, such as Fielding, Austen, Dickens, George Eliot, Hardy, Lawrence, and Woolf; major criticism of the genre. May be taught concurrently with ENG 512. Cannot receive credit for both ENG 512 and ENG 618.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 619 American Drama**

Development of American Drama to the present; emphasis on 20th century, including such authors as O'Neill, Wilder, Hellman, Williams, Miller, and Albee; major criticism of the genre. May be taught concurrently with ENG 519. Cannot receive credit for both ENG 519 and ENG 619.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 623 Writing Center Theory and Practice**

Collaborative workshop designed to prepare individuals for teaching one-to-one in a writing center environment. May be taught concurrently with ENG 523. Cannot receive credit for both ENG 523 and ENG 623.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 627 History of Rhetoric**

Study of historical trends important to the development of written discourse and writing instruction. Survey of theory from classical antiquity through the nineteenth century. May be taught concurrently with ENG 525. Cannot receive credit for both ENG 525 and ENG 627.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 628 Modern Rhetorical Theory**

A continuation of ENG 627. Study of twentieth-century rhetorical theory and its applications in literary criticism, literacy, technical writing, and/or composition. May be taught concurrently with ENG 526. Cannot receive credit for both ENG 526 and ENG 628.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 629 Composition and Rhetoric in High School and Junior College**

*Prerequisite: teacher certification students must be admitted to the Teacher Education Program.*

A survey of current writing and evaluation practices. Training in the teaching and evaluating of oral and written composition. The student will have an opportunity to examine methods currently taught in area high schools. May be taught concurrently with ENG 520. Cannot receive credit for both ENG 629 and ENG 520.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 631 Writing for Teachers**

A course intended to develop the writing of prospective and in-service teachers and to explore the means by which writing can be encouraged, developed, and assessed. May be taught concurrently with ENG 521. Cannot receive credit for both ENG 631 and ENG 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 633 Studies in Children's Literature**

A study of significant themes (such as gender, ethnicity, or childhood) or genres (such as children's poetry, the picture book, and the literary folktale and historical fiction) in literature for the young. May be repeated when content varies. May be taught concurrently with ENG 533. Cannot receive credit for both ENG 533 and ENG 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 634 Historical Perspectives in Children's Literature**

Study of one or more periods in the historical development of children's literature, such as the Golden Age of children's classics, twentieth-century British children's literature, and the novels for children since 1950. May be repeated when content varies. May be taught concurrently with ENG 534. Cannot receive credit for both ENG 534 and ENG 634.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 636 Young Adult Novel**

Study of various kinds of novels written for young people; includes historical perspectives; emphasizes developments since the "New Realism" of the 1960s. May be taught concurrently with ENG 536. Cannot receive credit for both ENG 536 and ENG 636.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 639 Advanced Writing for Children and Young Adults**

Group discussion and criticism. Individual writing projects. May be taught concurrently with ENG 539. Cannot receive credit for both ENG 539 and ENG 639.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 641 Renaissance Literature**

Sidney, Spenser, Donne, Milton, and other major non-dramatic writers; literary developments, 1500-1660. May be taught concurrently with ENG 541. Cannot receive credit for both ENG 541 and ENG 641.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 642 British Romantic Literature**

Blake, Wollstonecraft, Dorothy Wordsworth, William Wordsworth, Coleridge, Byron, Mary Shelley, Percy Bysshe Shelley, Keats; cultural backgrounds and literary developments, 1798-1837. May be taught concurrently with ENG 544. Cannot receive credit for both ENG 544 and ENG 642.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 643 Restoration and 18th Century Literature**

Dryden, Swift, Pope, Johnson, and other significant writers; literary developments, 1660-1798. May be taught concurrently with ENG 543. Cannot receive credit for both ENG 543 and ENG 643.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 645 Modern British Literature**

Significant works from several genres by authors such as Conrad, Yeats, Greene, Lessing, and Stoppard; literary developments, 1901-present. May be taught concurrently with ENG 547. Cannot receive credit for both ENG 547 and ENG 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 646 Victorian Literature**

Tennyson, Browning, the Rossettis, Hardy, and other British Victorian writers; literary developments, 1837-1901. May be taught concurrently with ENG 546. Cannot receive credit for both ENG 546 and ENG 646.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 649 Major British Authors**

Study of several major works by one or two British writers, such as Marlowe and Jonson, Johnson and Boswell, George Eliot and Hardy, Yeats and T.S. Eliot, Amis and Larkin; the intellectual milieu of their works. May be taught concurrently with ENG 548. Cannot receive credit for both ENG 548 and ENG 649.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 651 Literary Publication**

Practical experience with the literary publication process, including the editing work that goes into literary journals and the process of submitting and publishing creative work. Students will be introduced to various aspects of the literary market and other opportunities for creative writers, such as conferences and writing workshops. Students will learn about the publishing process through University publications projects such as the English Department's Moon City Press. May be taught concurrently with ENG 551. Cannot receive credit for both ENG 651 and ENG 551.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 652 American Romantic Literature**

Significant works from several genres by authors such as Cooper, Poe, Irving, Thoreau, Emerson, Hawthorne, Melville, and Whitman; literary developments to 1855. May be taught concurrently with ENG 553. Cannot receive credit for both ENG 553 and ENG 652.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 654 Topics in Ethnic American Literature**

Focus on one or more of the following: African American literature, Asian American literature, Latina/o literature, Native American literature, the literatures of European American immigrant groups, and relevant literary criticism. May be repeated up to 6 hours if content varies. May be taught concurrently with ENG 554. Cannot receive credit for both ENG 654 and ENG 554, for the same course content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**ENG 656 American Realism**

Significant works from several genres by authors such as Twain, Howells, James, Crane, and Frost; literary developments, 1855-1914. May be taught concurrently with ENG 557. Cannot receive credit for both ENG 557 and ENG 656.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 659 Modern American Literature**

Significant works from several genres by authors such as Fitzgerald, Hemingway, Lowell, Roethke, Bellow, and O'Connor; literary developments, 1914-present. May be taught concurrently with ENG 559. Cannot receive credit for both ENG 559 and ENG 659.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 661 Major American Authors**

Study of several major works by one or two writers, such as Emerson and Thoreau, Frost and Dickinson, Sexton and Lowell; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 558. Cannot receive credit for both ENG 558 and ENG 661.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 662 Contemporary American Poetry/Fiction**

A survey of contemporary American poetry or fiction, which encompasses a selection of significant authors and traces the history and development of various literacy theories, schools and movements, from new Criticism through more recent trends in both narrative and lyric modes (poetry) and Post-Modern narrative techniques (fiction). Variable content course. May be repeated up to 6 hours if topic is different. May be taught concurrently with ENG 562. Cannot receive credit for both ENG 562 and ENG 662.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 663 Literature and Medicine**

This course examines literary representations of health and illness, ability and disability, and cultural practices of healing. Drawing on major theoretical movements in medical humanities, students will situate literary texts within the ethical situations and institutional structures of their community and culture. May be taught concurrently with ENG 563. Cannot receive credit for both ENG 563 and ENG 663.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 665 Literature and Language Workshop**

*Prerequisite: permission of instructor.*

Variable topics related to the use of writing and literature in the classroom. Number of class hours determined by length of workshop. May be repeated for a total of 6 hours. May be taught concurrently with ENG 565. Cannot receive credit for both ENG 665 and ENG 565.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ENG 668 Major World Authors**

Study of several major works by one or two writers, such as Aristophanes and Sophocles; Ibsen and Strindberg; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 568. Cannot receive credit for both ENG 568 and ENG 668.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 672 Writing Grant Proposals**

Studying and applying basic elements of grant-proposal writing, including identifying potential funding sources, aligning projects with goals of funders, writing a compelling statement of need, and establishing a credible method of accomplishing goals as well as a reasonable budget and timeline. Emphasis on tailoring proposals to prospective funders in concise, persuasive writing. May be taught concurrently with ENG 572. Cannot receive credit for both ENG 572 and ENG 672.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 678 Writing in the Health Professions**

Rhetorical analysis and production of a broad range of document genres, including public health campaigns, grant proposals, medical reports, and patient information materials. Students research and present their findings on current issues in the field. Emphasis on audience analysis, document design principles, and ethical considerations. May be taught concurrently with ENG 570. Cannot receive credit for both ENG 570 and ENG 678.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 679 Writing for the Web**

Explores the professional writer's role in creating web pages and sites designed to deliver information. Topics include planning, user analysis, organization, structure, presentation, content development, writing style, and accessibility accommodation. May be taught concurrently with ENG 573. Cannot receive credit for both ENG 573 and ENG 679. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 682 Gender Issues in Language and Literature**

Consideration of gender issues from the standpoint of literary history, genre, composition/rhetoric, linguistics, or feminist theory. May be repeated to a total of 6 hours if topic is different. May be taught concurrently with ENG 580. Cannot receive credit for both ENG 580 and ENG 682.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 683 Themes in Folkloristics**

A topical course investigating the relationship of folklore and daily life through reading and examination of the field and its genres as a global discipline. Consideration of lived-environments such as occupational, educational, and popular culture settings or themes. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 583. Cannot receive credit for both ENG 583 and ENG 683.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 684 Topics in Professional Writing**

Covers a single topic within the field of professional writing. The subject will vary according to student demand and faculty availability. Examples include writing for the legal profession, writing proposals, regulatory writing, developing training materials, and ethics in professional writing. May be repeated to a total of 6 hours when the topic varies. Variable content course. May be taught concurrently with ENG 575. Cannot receive credit for both ENG 575 and ENG 684.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 688 Sociolinguistics for Language Teaching**

Various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language altitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. May be taught concurrently with ENG 592. Cannot receive credit for both ENG 592 and ENG 688.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 689 Studies in Linguistics**

Topics in linguistics including history of linguistics, language acquisition, or transformational grammars. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 593. Cannot receive credit for both ENG 593 and ENG 689.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 690 Grammatical Analysis**

Advanced study of English morphology and syntax using a variety of current approaches, including phrase-structure, transformational, discourse-based, and semantic-based grammars. May be taught concurrently with ENG 590. Cannot receive credit for both ENG 590 and ENG 690.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 691 Linguistic Theory**

A specialized survey of linguistics intended for graduate and advanced undergraduate students. Areas covered include, but are not limited to, phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Students cannot receive credit for both ENG 296 and ENG 691. May be taught concurrently with ENG 591. Cannot receive credit for both ENG 591 and ENG 691.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 694 Technical Writing Internship**

Projects in technical writing, combining academic training and supervised work experience in business, industry, government, academia, or nonprofit organizations. Students are required to work a minimum of 135 hours. May be taught concurrently with ENG 574. Cannot receive credit for both ENG 574 and ENG 694.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 695 Principles of Second Language Acquisition**

The processes of both first and second language acquisition, with an emphasis on Teaching English to Speakers of Other Languages (TESOL) and bilingualism. Includes the theory behind and history of TESOL methodologies, as well as contemporary theoretical issues in TESOL. May be taught concurrently with ENG 595. Cannot receive credit for both ENG 595 and ENG 695.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 696 Materials and Assessment in Teaching English to Speakers of Other Languages (TESOL)**

Practical and theoretical perspectives in specific areas in TESOL, including speaking, grammar, composition, and critical reading. Consideration of material design and student assessment. May be taught concurrently with ENG 596. Cannot receive credit for both ENG 596 and ENG 696.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 697 Practicum in Teaching English to Speakers of Other Languages (TESOL)**

Application of coursework in TESOL with individualized experience based on students' needs and background, especially in composition, grammar, and pronunciation. May be taught concurrently with ENG 597. Cannot receive credit for both ENG 597 and ENG 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 698 Early English Language and Literature**

Special topics in Old and Middle English language and literature, including an understanding of the linguistic structure of early English, experience in working with a variety of medieval English texts, and application of various linguistic and literary theories to the study of Old and Middle English writing. May be repeated to 6 hours if topic is different. Will not count toward any teacher certification requirement. May be taught concurrently with ENG 598. Cannot receive credit for both ENG 598 and ENG 698.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 700 Introduction to Research Methods in English**

Provides an introduction to research methods and writing within the broadly defined discipline of English Studies. It focuses on ways of developing research problems and questions, designing studies, and conducting, reading and evaluating research. Students will also learn to present their research in verbal and written formats including the abstract, proposal, conference presentation, and publishable essay.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 701 Graduate Fiction Workshop**

*Prerequisite: ENG 601 or permission of instructor.*

Group discussion and criticism. Individual writing projects. Intensive reading and writing assignments designed to enhance students' ability to compete in the publishing world and in application to further graduate study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 702 Service Learning in English II**

*Prerequisite: concurrent enrollment in an English course designated as a service-learning offering.*

This service component for an existing course incorporates community service with classroom instruction. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes a minimum of 40 hours of service that benefits an external community organization or public-service provider. Approved service placements and assignments will vary depending on the course topic. May be taken once for credit.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 703 Practicum in Teaching Composition**

Writing, evaluation of student essays, discussion of current theory and practice in teaching college composition. Credit from this course will not count toward the MA in English or the MS in Ed (ENG) degrees. Required of graduate teaching assistants their first two semesters of appointment. May be repeated up to 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ENG 704 Teaching Writing Online**

An intensive study of the theory and practice associated with teaching composition online. Students will examine key ideas in the field as well as the benefits and challenges of online pedagogy. Students will have the opportunity to study and design online instructional materials.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer, Spring (odd-numbered years)
Projected offerings

**ENG 707 Graduate Poetry Workshop**

*Prerequisite: ENG 607 or permission of instructor.*

Group discussion and criticism. Individual writing projects. Intensive reading and writing assignments designed to enhance students' ability to compete in the publishing world and in application to further graduate study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 708 Creative Writing Project II**

*Prerequisite: permission of instructor.*

Directed development of a substantial work of poetry, fiction, or non-critical prose. This work may be submitted as a degree paper in partial fulfillment of the research requirement in English.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 710 Seminar: Fiction**

Significant genres, authors, and developments in prose fiction. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 711 Seminar: Poetry**

Significant genres, authors, and developments in poetry. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 712 Seminar: Drama**

Detailed study of selected plays and dramatists. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 720 Seminar: Composition Theory**

Detailed study of contemporary composition theory in university freshman writing. Open to all graduate students. Graduate teaching assistants must take ENG 720 during their first year of appointment, unless they have taken ENG 520 as undergraduates.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 721 Theory of Basic Writing**

Study of issues, problems, and pedagogical strategies appropriate to teaching composition to students with limited English proficiency.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 722 Literacy Theory and Composition**

An introduction to literacy theory and its application to the teaching of composition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 725 Seminar: Composition and Rhetoric**

Topics in the application of rhetorical theory to the teaching of writing. May be repeated up to 9 hours if the content is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**ENG 726 Issues in Professional Writing**

Study of some aspect of professional writing not ordinarily offered in the curriculum. Students read, discuss, and write about selected books or other documents related to the field. May be repeated to a total of 6 hours if topic is different. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 730 Ozarks Writing Project**

*Prerequisite: permission of instructor.*

An intensive course in the writing process and the writing curriculum, designed for experienced K-16 teachers across the disciplines using the National Writing Project model. Readings of current theory and research will be related to participants' experiences as writers and as teachers. May be repeated for up to six hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**ENG 732 Seminar: Issues and Trends in English Education**

Study of some aspects of English Education not ordinarily in the curriculum. Students read, discuss, and write about selected books and articles related to the field. Variable content course. May be repeated for a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 735 Seminar: Children's Literature**

Detailed study of selected works, authors, or themes in children's/young adult literature. May be repeated to a total of 9 hours if topic is different. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 744 Seminar: English Literature Before 1798**

Detailed study of selected works, authors, or themes in English literature up to the Romantic Movement. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 748 Seminar: English Literature After 1798**

Detailed study of selected works, authors, or themes in English literature since 1798, including the Romantic Movement. May be repeated to a total of 9 hours if the topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 757 Seminar: Early American Literature**

Detailed study of selected works, authors, or themes in American Literature to 1900. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 758 Seminar: 20th Century American Literature**

Detailed study of selected works, authors, or themes in American Literature, 1900 to the present. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 770 The Teaching of Technical and Professional Writing**

Theory and practice of teaching college courses in technical and professional writing. Some consideration of in-service writing courses for business, science, industry, and government.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 771 Professional Writing**

Theory and practice of writing and analyzing documents in business, science, and industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 773 Writing for the Computer Industry**

Study and practice in developing user-centered computer system documentation. Topics include working with workplace and user communities to develop content; formatting, organizing, and designing information; and user analysis and testing. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 774 Professional Writing Internship**

*Prerequisite: permission of instructor.*

Projects in technical and professional writing, combining academic training and supervised work experience in business and industry. Students are required to work a minimum of 150 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 775 Designing Technical Documents**

Producing, analyzing, and adapting technical documents to meet the needs of diverse clients. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 777 Scientific and Technical Editing**

Current practices in editing and electronic publishing. Group and individual projects involving diverse fields, audiences, and formats; topics include copyediting, content editing, usability editing, author-editor relations, and the production process.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 780 Seminar: Intellectual Backgrounds of Literature in English**

Relation of basic intellectual and social ideas to the form, content, production/publication, and distribution of selected literary works or genres. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 781 Rhetorical Criticism**

Study of rhetorical and metalinguistic approaches to analyzing literature, with applications of theory to particular works.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ENG 785 Seminar: Critical Theories**

Literary criticism, with emphasis upon modern, critical practice; application of theory to particular problems. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 786 Seminar: Form and Theory of Poetry and Prose**

Designed for creative writers. Detailed study of traditional literary forms in poetry, drama, or fiction and the new forms that have grown out of them. Discussion of interaction between structure and content. Variable Content Course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ENG 792 Linguistics in Rhetoric and Composition**

Applications of linguistic models to rhetorical theory and/or the teaching of composition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ENG 793 Seminar: Linguistics**

Topics in historical, theoretical, or applied linguistics. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ENG 799 Thesis**

*Prerequisite: permission of the Director of Graduate Studies in English.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

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# Creative Writing

## Minor(s)

### Creative Writing

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

A. Two courses from: ENG 203(3), 205(3), 215(3), 216(3), 225(3)

B. One course from: ENG 303(3), 305(3), 315(3), 325(3)

C. One course from: ENG 500(3), 501(3), 503(3), 506(3)

D. One course from: ENG 551(3), 562(3)

E. One literature course (3), for a total of not fewer than 18 hours

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.

2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.

3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

# English

## Major(s)

## English

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (36 hours)

1. Core Requirements (21 hours)

   a. Introductory Experience (9 hours): ENG 235(3); and one course from ENG 203(3), 205(3), 215(3), 216(3), 225(3), 339(3); and one course from ENG 200(3), 282(3), 283(3), 289(3)

   b. American Literature (3 hours): one course from: ENG 350(3), 351(3), 517(3), 519(3), 553(3), 557(3), 558(3), 559(3), 562(3)

   c. British Literature (3 hours): one course from ENG 312(3), 340(3), 341(3), 510(3), 512(3), 513(3), 514(3), 541(3), 543(3), 544(3), 546(3), 547(3), 548(3), 598(3)

   d. Diversity (3 hours): one course from ENG 354(3), 355(3), 362(3), 363(3), 554(3)

   e. Public Affairs Capstone Experience: ENG 301(3) or 599(3)

2. Choose one of the following options:

   a. **Creative Writing** (15 hours)

      1. Introductory Creative Writing: one course from ENG 203(3), 205(3), 215(3), 225(3)

      2. Intermediate Creative Writing: one course from ENG 303(3), 305(3), 315(3), 316(3), 325(3)

      3. Advanced Creative Writing: one course from ENG 500(3), 501(3), 503(3), 506(3)

      4. Creative Writing Project: ENG 508(3) or one additional course from ENG 500(3), 501(3), 503(3), 506(3) not used in the Advanced Creative Writing

choice above. Course selected may be the same of the Advanced Writing requirement selection if the student is repeating the course for additional credit.

5. ENG 551(3)

b. **Literature** (15 hours)

1. Additional American Literature (3 hours): one course from ENG 350(3) or 351(3). May not be double-counted from the American Literature core requirement.

2. Additional British Literature (3 hours): one course from ENG 340(3) or 341(3). May not be double-counted from the British Literature major core requirement.

3. Specialized Approaches (3 hours): one course from ENG 435(3), 483(3), 491(3), 533(3), 534(3), 563(3), 580(3), 583(3)

4. Electives (6 hours): choose two ENG electives, at least one of which must be a 400 or 500 level literature course.

5. Pre-1800 requirement: at least three of the 36 hours taken in the English major must be a pre-1800 literature course: ENG 312(3), 340(3), 510(3), 513(3), 541(3), 553(3), 598(3)

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## English

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (36 hours)

1. Core Requirements (21 hours)

a. Introductory Experience (9 hours): ENG 235(3); and one course from ENG 203(3), 205(3), 215(3), 216(3), 225(3), 339(3); and one course from ENG 200(3), 282(3), 283(3), 289(3)

b. American Literature (3 hours): one course from: ENG 350(3), 351(3), 517(3), 519(3), 553(3), 557(3), 558(3), 559(3), 562(3)

c. British Literature (3 hours): one course from ENG 312(3), 340(3), 341(3), 510(3), 512(3), 513(3), 514(3), 541(3), 543(3), 544(3), 546(3), 547(3), 548(3), 598(3)

d. Diversity (3 hours): one course from ENG 354(3), 355(3), 362(3), 363(3), 554(3)

e. Public Affairs Capstone Experience: ENG 301(3) or 599(3)

2. Choose one of the following options:

a. **Creative Writing** (15 hours)

1. Introductory Creative Writing: one course from ENG 203(3), 205(3), 215(3), 225(3)

2. Intermediate Creative Writing: one course from ENG 303(3), 305(3), 315(3), 316(3), 325(3)

3. Advanced Creative Writing: one course from ENG 500(3), 501(3), 503(3), 506(3)

4. Creative Writing Project: ENG 508(3) or one additional course from ENG 500(3), 501(3), 503(3), 506(3) not used in the Advanced Creative Writing choice above. Course selected may be the same of the Advanced Writing requirement selection if the student is repeating the course for additional credit.

5. ENG 551(3)

b. **Literature** (15 hours)

1. Additional American Literature (3 hours): one course from ENG 350(3) or 351(3). May not be double-counted from the American Literature core requirement.

2. Additional British Literature (3 hours): one course from ENG 340(3) or 341(3). May not be double-counted from the British Literature major core requirement.

3. Specialized Approaches (3 hours): one course from ENG 435(3), 483(3), 491(3), 533(3), 534(3), 563(3), 580(3), 583(3)

4. Electives (6 hours): choose two ENG electives, at least one of which must be a 400 or 500 level literature course.

5. Pre-1800 requirement: at least three of the 36 hours taken in the English major must be a pre-1800 literature course: ENG 312(3), 340(3), 510(3), 513(3), 541(3), 553(3), 598(3)

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

### English

Bachelor of Arts

A. ENG 235(3)

B. 15 hours of English electives, including three 500-level courses, for a total of not fewer than 18 hours

### English

Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
There is no required selection of courses for an English minor for these degrees. Students are advised to select ENG 235(3), 340(3), 341(3), 350(3), 351(3), and electives in English for a total of not fewer than 18 hours.

### English

Bachelor of Science in Education (Non-Certifiable)

A. Nine hours in composition from: ENG 110(3), 203(3), 210(3), 215(3), 221(3), 235(3), 310(3), 520(3); JRN 270(3)

B. ENG 351(3), 390(3), 491(3); ENG 338(3) or 536(3)

C. One course from: ENG 340(3), 341(3), 360(3), 361(3), 362(3), 512(3)

D. One course from: ENG 205(3), 350(3), 517(3), for a total of not fewer than 27 hours

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.

2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.

3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

# English Education

## Major(s)

## English

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   Specific General Education Requirements in order to meet state certification: ENG 110(3), 321(3); PSY 121(3)

B. Major Requirements

   1. ENG 235(3), 338(3), 390(3), 520(3), 521(3); ENG 491(3) or 494(3)

   2. One course from: ENG 350(3), 351(3), 517(3), 519(3), 553(3), 557(3), 558(3), 559(3), 562(3)

   3. One course from: ENG 354(3), 355(3), 455(3)

   4. One course from: ENG 340(3), 341(3), 362(3), 512(3), 541(3), 543(3), 544(3), 546(3), 547(3), 548(3), 568(3)

   5. One 400 or 500-level ENG elective course(3), not taken to fulfill one of the above listed requirements

   6. ENG 312(3)-students may substitute ENG 513 for ENG 312 but may not count ENG 513 as their required 500-level ENG elective course.

   7. Public Affairs Capstone Experience will be fulfilled by completion of ENG 432(5-6) and ENG 433(5-6).

C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.

   1. ENG 405(3), ENG 432(5-6), ENG 433(5-6)

   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

## Accelerated graduate program in Secondary Education/English

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/English program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# ESOL (English for Speakers of Other Languages)

## Minor(s)

### ESOL (English for Speakers of Other Languages)

Bachelor of Arts
Bachelor of Science

A. ENG 296(3) or ENG 591(3) or ANT 280(3)

B. ENG 505(3), 592(3), 595(3), 596(3)

C. ENG 390(3) or 590(3) for a total of not fewer than 18 hours.

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

# Folklore

## Minor(s)

### Folklore

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

A. ENG 283(3), 385(3), 483(3), 485(3)

B. One course from: ANT 320(3), 510(3); ENG 583(3), for a total of not fewer than 15 hours

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

# Professional Writing

## Major(s)

### Professional Writing (BA)

Bachelor of Arts

**Admission requirements**

Students must have a combined GPA (Missouri State and transfer) of 2.50 or higher or a GPA of 2.75 or higher for the most recent 30 hours of course work in order to be admitted to the degree program.

**Program requirements**

A. General Education Program and Requirements

B. Major Requirements (36 hours)

1. ENG 321(3), 373(3), 377(3), 421(3), 422(3), 487(3), 500(3), 574(3)
2. Complete four courses from: ENG 473(3), 570(3), 572(3), 573(3), 575(3), or approved upper-division cognate courses for a total of not fewer than 36 hours.
3. Public Affairs Capstone Experience will be fulfilled by completion of ENG 421(3), 422(3), and 574(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

### Professional Writing (BS)

Bachelor of Science

**Admission requirements**

Students must have a combined GPA (Missouri State and transfer) of 2.50 or higher or a GPA of 2.75 or higher for the most recent 30 hours of course work in order to be admitted to the degree program.

### Program requirements

A. General Education Program and Requirements

B. Major Requirements (36 hours)

1. ENG 321(3), 373(3), 377(3), 421(3), 422(3), 473(3), 487(3), 500(3), 574(3)
2. Complete three courses from: ENG 570(3), 572(3), 573(3), 575(3), or approved upper-division cognate courses for a total of not fewer than 36 hours.
3. Public Affairs Capstone Experience will be fulfilled by completion of ENG 421(3), 422(3), and 574(3).

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

## Accelerated graduate program in Writing-Technical/Professional Writing Track

Eligible Missouri State undergraduate students may apply for admission to the Technical/Professional Writing track within the Writing program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Teaching English to Speakers of Other Languages

## Minor(s)

### Teaching English to Speakers of Other Languages

Bachelor of Science in Education (Certifiable grades K-12, additional endorsement only)

A. ENG 296(3) or 591(3); ENG 505(3), 592(3), 595(3), 596(3), 597(3)

B. Either ENG 390(3) or 590(3), for a total of not fewer than 21 hours

C. Professional Education Courses: RDG 474(3); SPE 310(3) or 340(2)

D. In order to meet Missouri state teacher certification requirements, all students must have a 2.50 GPA or higher (Missouri State and transfer grades combined) in the certification subject area, which includes all courses required for the minor. A minimum grade of "C" or higher in each course listed above is required for certification.

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

# Technical Writing

## Minor(s)

### Technical Writing

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

A. ENG 321(3), 373(3), 377(3), 421(3)

B. Two courses from: ENG 422(3), 473(3), 487(3), 500(3), 570(3), 572(3), 573(3), 574(3), 575(3) for a total of not fewer than 18 hours

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

# Writing

## Minor(s)

### Writing

Bachelor of Science in Education (Non-Certifiable)

A. ENG 205(3), 215(3), 235(3)

B. Three courses from: JRN 270(3), 370(3), 374(3), 375(3), 476(3); ENG 203(3), 225(3), 303(3), 315(3), 321(3), 334(3), 390(3), 421(3), 501(3), 536(3), for a total of not fewer than 18 hours. Students contemplating seeking a Bachelor of Science in Education degree must seek the advice of an advisor.

### Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

# Linguistics Program

## Programs

### Undergraduate

Linguistics (Minor)

## General information

The Linguistics minor is an interdisciplinary program jointly offered by the College of Arts and Letters and Department of Sociology and Anthropology and is administered by the College of Arts and Letters. The Linguistics Committee administers the program, provides advisement, and considers requests for elective substitutions. The committee consists of five faculty members who teach courses in the minor, appointed by the Provost. The chair of the committee, elected by committee members, approves applications to degree program and, after consultation with committee members, approves course substitutions.

## Contact

**Administrator**

Vanessa de la Vega Rodriquez, PhD

**Office**

Siceluff Hall, Room 143

**Phone**

417-836-4202

**Fax**

417-836-7626

**Email**

VRodriguezdelaVega@MissouriState.edu

**Website**

# Linguistics

This minor is an interdisciplinary program jointly offered by the College of Arts and Letters and Department of Sociology and Anthropology.

## Minor(s)

### Linguistics

Bachelor of Arts

A. ENG 296(3) or ANT 280(3)

B. Complete 12 hours from the following courses: ANT 380(3)*, ANT 381(3), ANT 382(3), CSD 210(3), CSD 312(3), ENG 390(3), ENG 491(3), ENG 494(3), ENG 590(3), ENG 592(3), ENG 593(3)*, ENG 595(3), SPN 324(3). Other courses may be substituted with approval of committee. No more than 12 hours of the 15-hour minor may be taken from any one department.

   *Variable content course; up to 9 hours may be applied to the minor when the topic changes.

C. No more than 3 hours of the minor may also count for a major requirement.

### Linguistics

Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

A. ENG 296(3) or ANT 280(3)

B. Complete 12 hours from the following courses: ANT 380(3)*, ANT 381(3), ANT 382(3), CSD 210(3), CSD 312(3), ENG 390(3), ENG 491(3), ENG 494(3), ENG 590(3), ENG 592(3), ENG 593(3)*, ENG 595(3), SPN 324(3). Other courses may be substituted with approval of committee.

   *Variable content course; up to 9 hours may be applied to the minor when the topic changes.

C. At least 6 hours of a foreign language (including American Sign Language). A student may take 3 hours each of two different languages. No more than 12 hours of the 21-hour minor (except for foreign language) may be taken from any one department.

D. No more than 3 hours of the minor (except for foreign language) may also count for a major requirement.

linguistics.missouristate.edu

# Department of Media, Journalism & Film

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Electronic Arts (BS)+

Film Studies (Minor)

Journalism (BS, Minor)+

Mass Media (BA, BS, Minor)+

Press Politics (Certificate)

Screenwriting (Minor)

Writing for Television and Film (Certificate)

### Graduate

Screenwriting for Television and Film (Certificate)

Courses are offered toward the option in Producing and Screenwriting within the Professional Studies program (MPS)

## General information

As an integral part of the Department of Media, Journalism & Film, the mass media program provides a wide range of activities for students. The department maintains an instructional television studio, which provides student programming on Springfield's Cable Channel 22 and KOZL-Channel 27, HEC-TV in St. Louis, and Time Warner Cable 17 in Kansas City. The department also serves in an advisory capacity for the university newspaper, The Standard, and is associated with KSMU-FM

## Contact

**Department head**

Mary Jane Pardue, DA

**Office**

Craig Hall, Room 377

(91.1 MHz), the University's National Public Radio Affiliate. Our majors can gain valuable experience working in each of these areas, as journalists for the newspaper, as producers of television programming, or as student interns at KSMU, the area's FM source of fine arts and informational programming.

The student-run Film Society, the Japanese Film Society, and the Academic Media Production Guild are also affiliated with the department.

The department maintains a strong internship program with local and regional news organizations, providing an opportunity for majors to acquire professional experience at a variety of radio and television stations and newspapers, as well as independent production facilities.

**Phone**

417-836-5218

**Fax**

417-836-4637

**Email**

MJF@missouristate.edu

**Website**

mjf.missouristate.edu

# Media, Journalism & Film Faculty

## Professors

Mary Jane Pardue, DA

Mark A. Paxton, PhD

## Associate professors

Mark M. Biggs, MA

Andrew R. Cline, PhD

Deborah L. Larson, PhD

Weiyan Wang, MFA

Timothy R. White, PhD

## Assistant professors

Richard H. Amberg III, MFA

Holly W. Holladay, PhD

Jonathan Mabee, MFA

Jocelyn B. Millana, MFA

Andrew D. Twibell, MFA

## Senior instructor

Jack E. Dimond, MA

## Instructor

Leonard B. Horton, MS

## Emeritus faculty

James W. Bihlmeyer, MFA

Karen S. Buzzard, PhD

Arlen E. Diamond, PhD

Thomas V. Dickson, EdD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Media, Journalism & Film Courses

## Journalism (JRN) courses

**JRN 270 Introduction to Journalism**

*Prerequisite: Eligibility for ENG 110.*

Study of the purposes and forms of journalism. Includes writing the basic types of stories. Typing skills required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**JRN 300 Special Topics in Journalism**

A course upon a single topic of current interest. May be repeated with permission of the department to a total of 6 hours if topics are different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**JRN 305 Service Learning in Journalism**

*Prerequisite: 30 hours and concurrent registration in a journalism course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in journalism to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**JRN 370 News Reporting and Writing**

*Prerequisite: JRN 270.*

Instruction and practice in gathering news material, writing news reports, and editing copy. Includes introduction to news beats and specialized reporting techniques.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**JRN 374 Opinion Writing**

*Prerequisite: JRN 270.*

Instruction and practice in writing editorials, opinion columns, news analyses and critical reviews.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**JRN 375 Feature Writing**

*Prerequisite: JRN 270.*

Practice in writing feature articles for print and online publications, including human interest stories, news features, personality profiles, how-to articles and historical pieces.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**JRN 376 Business Reporting**

*Prerequisite: JRN 270.*

Instruction and practice in gathering information and writing business-related articles. The course covers interviewing and reporting techniques used to write business stories, including enterprise and trend stories as well as company profiles. The student also will gain an understanding of the importance of business news to public affairs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**JRN 381 Broadcast News Writing**

*Prerequisite: JRN 270.*

Instruction and practice in basic scripting technique and writing skills needed to be a broadcast journalist. Through writing, students will examine the fundamentals of news judgment and the organizational style of storytelling for radio and television formats.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**JRN 384 Broadcast Performance**

*Prerequisite: JRN 381.*

The development of disciplines controlling vocal and visual mechanics as well as interpretative performance for announcers, newscasters, interviewers and narrators of various radio and television situations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**JRN 388 Electronic News Gathering**

*Prerequisite: JRN 381.*

Instruction and practice in news gathering techniques for television. Students will learn the basics of video production (shooting, editing, lighting, etc.) and reporting as well as advanced storytelling techniques, including solo reporting, recording natural sound packages, and live shot production and reporting. Emphasis is placed on gaining expertise in shooting and editing techniques as they apply to news.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**JRN 407 Media Law**

History and application of the speech and press clause of the First Amendment; libel law, privacy law, copyright and other legal matters relating to mass media; relation of media law to journalistic ethics. May be taught concurrently with JRN 607. Cannot receive credit for both JRN 407 and JRN 607.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**JRN 476 Copy Editing and Design**

*Prerequisite: JRN 370.*

Principles and practices of copy-editing and rewriting news stories, headline writing, use of graphics, and makeup for print and online newspapers.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**JRN 477 Publications**

*Prerequisite: JRN 270.*

Design and production of tabloids, magazines, newsletters, and brochures using desktop publishing techniques; survey of printing processes and type selection; use of color, graphics, and photographs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JRN 478 Multimedia Journalism**

*Prerequisite: JRN 270.*

Instruction and practice in multimedia reporting and publishing for print media and the Internet, including digital still photography, video, audio, social media, and text. The course will also address content management systems for the web, ethics, and legal concerns. Note: Students must have a digital camera (3.1 megapixels or greater) with still and video modes. (All-in-one devices such as the iPhone fulfill this requirement.)

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**JRN 481 Broadcast News Reporting and Producing**

*Prerequisite: JRN 381 and JRN 384.*

Instruction and practice in video news production and line producing for television news. The course covers both video production techniques (shooting, editing, lighting, etc.) and techniques for producing a newscast. Students will shoot, edit and report news packages as well as develop skills as a line producer. Students will learn how to create a rundown, time a show, create proper flow and make critical show decisions that are essential to producing.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**JRN 492 Independent Study in Journalism**

*Prerequisite: JRN 270 and permission of instructor.*

Supervised independent study exploring topics determined by the student in consultation with journalism faculty member. May be repeated to a total of 6 hours with permission of the department.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**JRN 493 Practicum in Journalism**

*Prerequisite: permission of instructor.*

Students will work with faculty supervisor on equipment-based journalism projects. Particular focus on leadership and communication skills, as well as using technology appropriate to the professional workplace. Variable content course. May be repeated to a total of 6 hours with permission of the department when project is different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**JRN 572 Public Affairs Reporting**

*Prerequisite: JRN 370.*

Capstone course on instruction and practice in advanced reporting techniques, including gathering material and writing in-depth stories on public affairs issues, with an emphasis on state and local government.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**JRN 590 Issues in Journalism**

*Prerequisite: 60 hours.*

A variable content course addressing topics of current interest as well as timeless issues. May be repeated to a total of 6 hours with permission if topic is different. May be taught concurrently with JRN 690. Cannot receive credit for both JRN 690 and JRN 590.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JRN 592 Newscast Practicum**

*Prerequisite: JRN 384 and JRN 388 and MED 383 and permission of instructor.*

Practical on-air experience with a student-run news program. Students will produce, report, anchor and work as studio crew for a weekly show. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**JRN 595 Journalism Internship**

*Prerequisite: 60 hours and permission of instructor.*

Work experience with a professional news organization. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated to a total of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**JRN 607 Media Law**

History and application of the speech and press clause of the First Amendment; libel law, privacy law, copyright and other legal matters relating to mass media; relation of media law to journalistic ethics. May be taught concurrently with JRN 407. Cannot receive credit for both JRN 407 and JRN 607.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**JRN 690 Issues in Journalism**

A variable content course addressing topics of current interest as well as timeless issues. May be repeated to a total of 6 hours with permission if topic is different. May be taught concurrently with JRN 590. Cannot receive credit for both JRN 590 and JRN 690.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JRN 695 Journalism Internship**

*Prerequisite: permission of instructor.*

Work experience with news organizations. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated for a total of 6 hours. May be taught concurrently with JRN 595. Cannot receive credit for both JRN 595 and JRN 695.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

## Mass Media (MED) courses

**MED 120 Mass Media and Society**

*General Education Course (Focus on Social and Behavioral Sciences).*

Theories and issues related to mass media as agents of social change. Both print and electronic media will be covered, including newspapers, radio, television and film.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 130 Fundamentals of Media Convergence**

An exploration of the role and impact of convergence across all areas of journalism and media. Emphasis will be placed on the teaching of audio, video, web and social media skills.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 220 Case Studies in Mass Media**

*Prerequisite: MED 120.*

A case study approach investigating how the mass media cover a single significant public affairs issue such as Hurricane Katrina or health care reform. Emphasis will be placed on media literacy and critical thinking as students consider the role that the mass media play in public discourse and social reality.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 274 Introduction to Film**

*General Education Course (Focus on Humanities).*

The aesthetic and technical perspective of all types of motion pictures (narrative, non-narrative, experimental), using a number of selected domestic and foreign films as examples. Written analyses are required. Viewing of selected films outside of class time may be required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MED 290 Fundamentals of Multimedia Design**

A broad exploration of multimedia design via readings and creative experiences. The following areas are considered: fundamental design principles, effective multimedia design, implementation and implications of multimedia, evaluation of existing multimedia examples, and collaboration in a group multimedia project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MED 300 Special Topics in Media**

A course upon a single topic of current interest. May be repeated to a total of 6 hours if topics are different. Approved Recurring Course Topic: Anime. An in-depth exploration of anime, or Japanese animation. The course includes an examination of the various figures involved (artists, writers, directors, etc.), genres (action, martial arts, mythological, etc.), and the relationship between anime and animation in the West. 1 hour. Approved Recurring Course Topic: Asian Horror Cinema. An in-depth exploration of Asian Horror cinema. It includes an examination of the various figures involved (artists, writers, directors, etc.), the cultures of these Asian nations, and the relationship between Asian horror films and Hollywood. 1 hour. Approved Recurring Course Topic: Documentary Film History and Theory. Students will screen a series of classic documentary films as they study the history, theory, and the social role played by documentaries in the 20th century. The course will examine those characteristics that distinguish the documentary from other film genres. The diversity and historical development of the genre will also be traced through critical essays written by documentary film makers and critics, and through discussions of classic films. 2 hours. Approved Recurring Course Topic: Great Directors. A survey of important national and international directors. Students will learn to analyze influential directors' work from both a historical and theoretical approach. The course is Internet-based and will require membership to a movie rental outlet. 3 hours. Approved Recurring Course Topic: Hong Kong Cinema. An in-depth exploration of Hong Kong cinema. It includes an examination of the various figures involved (actors, directors, etc.), genres (action, martial arts, art film, etc.), and the relationship between Hong Kong cinema and Hollywood. 1 hour. Approved Recurring Course Topic: Sci-Fi Noir. An exploration into the cinematic style of Film Noir in its latest version, the science fiction film. The course will investigate the influences and impact that the 1940s Film Noir style has had on specific films that can be categorized of Future Noir or relating to the development of Future Noir. 1 hour. Approved Recurring Course Topic: The Cinema of Iran. An introduction to the cinema of Iran and to the cinema of Islamic cultures in general. The course will cover such topics as the history of Iranian cinema, the place of women in the Iranian film industry, and film in the context of Islamic art. 1 hour. Approved Recurring Course Topic: The Films of the Coen Brothers. An exploration into the cinematic style of the Coen Brothers. The course will investigate how Noir writers of the 1940s, Hitchcock, the Horror genre and the struggle to remain independent have influenced the Coens. Students will learn the stylistic choices that reoccur in the Coen Brothers films and be able to discuss them in relation to their films and the film industry at large. 1 hour.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MED 304 Mass Media Theory**

*Prerequisite: MED 120.*

An examination of the history, development, and current state of mass communication theory and its relationship to the ways in which mediated messages are delivered and received.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 305 Service Learning in Media**

*Prerequisite: 30 hours and concurrent registration in a media course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in media to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MED 320 Understanding the Broadcast Industry**

*Prerequisite: MED 120.*

An overview of national and local broadcast operations, including a detailed examination of national and local broadcast operations including organizational structure, management functions, program production and distribution strategies, program management, sales, promotion and research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MED 325 Media History**

The development and growth of U.S. mass media from their origins through the development of the Internet. Emphasis will be placed on changing technologies, changing socio-political roles and changing structure of the mass media industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 355 Social Media**

*Prerequisite: MED 120.*

An overview of how social media are changing the ways we communicate, collaborate and create through digital media. Students will examine the historical, theoretical and practical implications of social media on human communication through a series of critical readings, media presentations and practical encounters with social networking.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MED 360 Beginning Screenwriting**

*Prerequisite: ENG 110.*

An introduction to the fundamental craft of writing for film and television. Students will learn format, structure, and the principles of character-based storytelling, as well as the basics of the film and television industry. Combining lectures and workshops, students will focus on scene work before outlining and completing a short film script. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 660. Cannot receive credit for both MED 360 and MED 660 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 361 Introduction to Sound Recording for Digital Film and TV**

*Prerequisite: MED 365.*

A foundational-level production course introducing recording/mixing techniques and technologies of production sound in digital film and television. Lectures will focus on basic acoustics and audio electronics, the aesthetics of the sound medium and sound as art in digital film and television. Students will learn critical-listening skills and gain recording/mixing experience in all aspects of field sound production including field sound recording equipment and setup, microphone placement and boom operation, and mixing with single and multiple microphones on the set. Students will also learn how to solve production problems and prepare production sounds for post-production.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**MED 365 Digital Film and Media Production**

A study of visual aesthetics and production techniques used in film and video. Students will learn image, motion design, sound, and nonlinear concepts that will be reinforced through video production exercises.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MED 374 History of Film I**

An examination of the evolution of film technique and theory from 1895 to World War II. Emphasis is placed on the social impact of film and on the artistic and technical aspects of the medium. Viewing of selected films outside of class may be required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall
Projected offerings

**MED 375 History of Film II**

An examination of the evolution of film technique and theory from World War II to the present. Emphasis is placed on the social impact of film and on the artistic and technical aspects of the medium. Viewing of selected films outside of class may be required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**MED 381 Broadcast Writing**

*Prerequisite: ENG 110.*

An examination of the principles and production techniques involved in writing broadcast copy. Three areas will be investigated in depth: copywriting for radio and television, news writing and feature story preparation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 382 Audio Production**

Theory and practice of audio production techniques, procedures, and aesthetics. Emphasis is placed on audio production in a studio setting, including mic selection and placement, mixing boards and signal flow, and digital audio production techniques and technologies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Upon demand
Projected offerings

**MED 383 Television Production**

*Prerequisite: MED 365 or JRN 388.*

Orientation to and practical experience in creating TV production in the professional studio setting.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MED 390 Interactive Web Design**

*Prerequisite: MED 290.*

An overview of multimedia design and multimedia-specific concepts. The course will look at multimedia design standards on multiple levels; content design and creation, user experience, navigation, interface, functionality, interactivity, multimedia integration, etc. Students will create and publish a website.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MED 454 Media Analysis and Criticism**

*Prerequisite: MED 120; and COM 209 or MED 304.*

The political, cultural, economic and social impact of the American media and their content as they affect and influence the individual and the culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 461 Sound Editing**

*Prerequisite: MED 365.*

An introduction to the theoretical and practical principles of sound editing for digital film and TV post-production. Students will be exposed to sound-design ideas and learn sound-editing skills and techniques using a professional sound-editing program. Students will design and build soundtracks for digital film and TV with both aesthetic and technical considerations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MED 462 TV/Film Producing**

An in-depth examination of the producer's various roles in television and film production. Practical experience with script breakdowns, scheduling and budgets will provide the student with an understanding of the various aspects of production and how the development and structure of the script can affect the production's outcome.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MED 463 Writing Adaptations for Television and Film**

Study and practice in adapting material for television or film. During the course, students will select a source to adapt and will outline and begin writing their script. Variable content course. May be repeated when project changes. May be taught concurrently with MED 663. Cannot receive credit for both MED 463 and MED 663 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 464 Genre Writing for Film and Television**

An overview of the expectations and requirements of various genres in both film and television. Students will study past, present and possible future trends of each genre in the professional marketplace. The course will focus on what defines audience expectations as students write for different genres. Variable content course. May be repeated when project changes. May be taught concurrently with MED 664. Cannot receive credit for both MED 464 and MED 664 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 465 Principles of Cinematography**

*Prerequisite: MED 365.*

The fundamental theoretical and practical principles of using the camera and lighting for film and video. Studio and location lighting, camera techniques, and aesthetics will be explored in depth. Students will light and shoot a variety of exercises designed to illustrate the theoretical, practical, and aesthetic issues explored in this course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MED 466 Advanced Editing**

*Prerequisite: MED 365.*

An examination of the theoretical, historical, and practical principles involved in editing narrative film and video. Students will learn intermediate and advanced nonlinear editing techniques using AVID editors. Editing theory and aesthetics will be addressed through a series of editing exercises pulled from feature films and television series. Issues of narrative clarity, dramatic focus, pacing, and effective storytelling will be emphasized.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MED 470 Special Topics in Film**

An examination of special topics from historical or current interest in film. Subject will vary from semester to semester depending on student interest and faculty availability. Examples: Experimental Films, Science Fiction and Horror in Film, Film as Propaganda, The Image of Minorities in Film, the French New Wave, Film Criticism. Viewing of selected films outside of class may be required. Variable Content Course. May be repeated to a total of 6 hours. 3(3-1) D. Approved recurring course topic: Animation. An examination of the history and aesthetics of animation, including both commercial and independent animation. Animation techniques (cel, computer, pixilation, cut-out, etc.), national animation industries (Hollywood, Japanese, Eastern European, etc.), and significant issues of contemporary animation studies will be covered. Written research essays are required, and film viewing outside of class may be required. 3(3-1) D. Approved recurring course topic: Asian Cinema. An examination of the art and industry of Asian cinema, looking at the histories and aesthetic features of the films (both mainstream and alternative) of the major filmmaking nations of Asia, as well as the practical and social factors involved in filmmaking in Asia. Written research essays are required, and film viewing outside of class may be required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Upon demand
Projected offerings

**MED 472 Directing the Short Film**

*Prerequisite: MED 365.*

An examination of the theoretical, historical and practical fundamentals of film directing. Students will explore techniques for successful script/scene analysis, visualization, collaboration with cast and crew, and set management. Via a series of short but increasingly complex projects, students will gain an understanding of what it takes to successfully lead a production.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MED 483 Intermediate Production**

*Prerequisite: permission of instructor.*

Secondary level of multi-camera or film-style production. Students serve as production assistants and crew members, generally on a larger project being led by students in a senior-level capstone or electronic arts course, under the supervision of and in tandem with another class.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**MED 490 Advanced Interactivity Multimedia Design**

*Prerequisite: MED 290.*

An advanced study of interactive multimedia design based on human-computer interaction principles. Course will include the creation of a project incorporating interactivity as a core element. Topics may include mobile applications, site-specific multimedia design, trans-media, advanced physical interactivity, or advanced Flash design. May be repeated to a total of 6 hours if topics are different. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**MED 492 Independent Study in Electronic Media**

*Prerequisite: admission to a departmental major, permission of instructor and 6 hours of upper division MED or JRN coursework.*

Supervised independent study exploring selected areas determined by the student in consultation with the media faculty. Course work may include readings, term papers, or projects. May be repeated to a total of 6 hours with permission of the department.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MED 493 Practicum in Electronic Media**

*Prerequisite: permission of instructor.*

Students will work closely with faculty supervisor to produce and create film, television, or internet projects. Particular focus on leadership and communication skills, as well as using technology appropriate to the professional workplace. Variable content course. May be repeated to a total of 6 hours with permission of the department when project is different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MED 498 Senior Project in Electronic Arts**

*Prerequisite: ART 300 and permission of instructor.*

Admission to this course is contingent upon the successful completion of the Electronics Arts junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review. Under advisement from faculty, EA students will form production teams consisting of computer animation, video, interactive new media and audio studies students. Each team will produce a broadcast-quality project over two semesters. The first semester will be spent in pre-production preparations for the approved senior project. The second semester will involve production and post-production of the approved project. This course must be repeated in sequence for a total of six hours across a single academic year. Identical with ART 498. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MED 561 Sound Mixing**

*Prerequisite: MED 461.*

An in-depth exploration of the art of sound design for digital film and TV. Students will learn how to carry out the aesthetic considerations of sound through the mixing process. Emphasis will be placed on advanced sound editing for sub- and final mixing, mix engineering, sound-effect processing and surround-sound practice. Students will learn how to mix a movie's dialogue, sound effects, ambience and music into stereo and surround tracks. May be taught concurrently with MED 661. Cannot receive credit for both MED 561 and MED 661.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall
Projected offerings

**MED 562 Digital Filmmaking**

*Prerequisite: MED 461 or MED 462 or MED 465.*

A film-style production class in high-definition digital filmmaking. Students will form small production teams to plan, design, and produce short narrative films. May be taught concurrently with MED 662. Cannot receive credit for both MED 662 and MED 562.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MED 565 Intermediate Screenwriting**

Writing the feature film screenplay. Students will study format, structure, and the effective tools of screenwriting. The course will include discussion of feature films and their screenplays, as well as the business of professional screenwriting. Students will create a premise, outline their projects, and write the first act of a feature-length film. Variable content course. May be repeated when project changes. May be taught concurrently with MED 667. Cannot receive credit for both MED 565 and MED 667 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 566 Writing for Television**

This course will focus on the foundations of structure, character, conflict, dialogue, and setting, and how to apply these elements to storytelling on the small screen. Students will learn to pitch their ideas effectively to writer-producers and then outline, write, and polish a spec script for a currently running television series. Variable content course. May be repeated when project changes. May be taught concurrently with MED 668. Cannot receive credit for both MED 566 and MED 668 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 567 Rewriting Film and Television Scripts**

*Prerequisite: MED 565 or MED 566.*

An examination of the many phases of rewriting television or feature length screenplays for professional submission. Students will rewrite and workshop their scripts with an eye toward the current marketplace. Variable content course. May be taught concurrently with MED 669. Cannot receive credit for both MED 567 and MED 669 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 568 Writing the Web Series**

*Prerequisite: permission of instructor.*

An advanced practicum in conceiving and collaboratively writing an original episodic series for the web. Students will work together in an intimate writers' room atmosphere to develop original web series for future production at Missouri State. Emphasis will be on sustainable premises, filmable budgets, and compelling character-based conflicts. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 671. Cannot receive credit for both MED 568 and MED 671 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 569 Advanced Screenwriting**

*Prerequisite: MED 565 or MED 566, and permission of instructor.*

Focus on group discussion and criticism. Students either build on past work to complete a feature length screenplay or else write a new television pilot and series bible. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 672. Cannot receive credit for both MED 569 and MED 672 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 570 Film Theory**

An analysis of the art of film by using classical and contemporary film theory to investigate such aspects as the relationship between form and content, visual style and the nature of pictorial motion. Weekly screenings and discussions of short films, excerpts, complete classics and contemporary films. May be taught concurrently with MED 670. Cannot receive credit for both MED 670 and MED 570.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**MED 580 Media in Politics**

*Prerequisite: MED 120; and COM 209 or MED 304.*

An in-depth examination of the role of print and electronic media in American politics. Emphasis is placed on media coverage of government, social issues, and political campaigns. The course examines both the strategies of paid media and the media's coverage of politics as news. May be taught concurrently with MED 680. Cannot receive credit for both MED 680 and MED 580.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MED 581 Issues in Media Ethics**

*Prerequisite: MED 120 and MED 304.*

An investigation of fundamental ethical issues and their implications for media practitioners. Responsibilities of media practitioners to the public, advertising agencies, the government, and special interest groups will be examined. Special attention will be paid to the possibility of conflict between the business of media and general ethical considerations. May be taught concurrently with MED 681. Cannot receive credit for both MED 681 and MED 581. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 583 Advanced Television Production**

*Prerequisite: MED 383.*

Principles, skills, and techniques involved in advanced television production. Practical experience in writing, producing, directing and editing non-fiction television content for a video-magazine, news show, and/or promotions. May be taught concurrently with MED 683. Cannot receive credit for both MED 583 and MED 683.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MED 595 Media Internship**

*Prerequisite: 60 hours and permission of instructor.*

Work experience with a professional media organization. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated to a total of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MED 597 Advanced Studies in Media**

*Prerequisite: permission of instructor.*

In-depth examination of a special topic in media. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with MED 697. Cannot receive credit for both MED 697 and MED 597.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MED 660 Beginning Screenwriting**

An introduction to the fundamental craft of writing for film and television. Students will learn format, structure, and the principles of character-based storytelling, as well as the basics of the film and television industry. Combining lectures and workshops, students will focus on scene work before outlining and completing a short film script. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 360. Cannot receive credit for both MED 360 and MED 660 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 661 Sound Mixing**

An in-depth exploration of the art of sound design for digital film and TV. Students will learn how to carry out the aesthetic considerations of sound through the mixing process. Emphasis will be placed on advanced sound editing for sub- and final mixing, mix engineering, sound-effect processing and surround-sound practice. Students will learn how to mix a movie's dialogue, sound effects, ambience and music into stereo and surround tracks. May be taught concurrently with MED 561. Cannot receive credit for both MED 661 and MED 561.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall
Projected offerings

**MED 662 Digital Filmmaking**

*Prerequisite: MED 461 or MED 462 or MED 465.*

A film-style production class in high-definition digital filmmaking. Students will form small production teams to plan, design, and produce short narrative films. May be taught concurrently with MED 562. Cannot receive credit for both MED 662 and MED 562.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MED 663 Writing Adaptations for Television and Film**

Study and practice in adapting material for television or film. During the course, students will select a source to adapt and will outline and begin writing their script. Variable content course. May be repeated when project changes. May be taught concurrently with MED 463. Cannot receive credit for both MED 663 and MED 463 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 664 Genre Writing for Television and Film**

An overview of the expectations and requirements of various genres in both film and television. Students will study past, present and possible future trends of each genre in the professional marketplace. The course will focus on what defines audience expectations as students write for different genres. Variable content course. May be repeated when project changes. May be taught concurrently with MED 664. Cannot receive credit for both MED 664 and MED 464 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 667 Intermediate Screenwriting**

Writing the feature film screenplay. Students will study format, structure, and the effective tools of screenwriting. The course will include discussion of feature films and their screenplays, as well as the business of professional screenwriting. Students will create a premise, outline their projects, and write the first act of a feature-length film. Variable content course. May be repeated when project changes. May be taught concurrently with MED 565. Cannot receive credit for both MED 667 and MED 565 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 668 Writing for Television**

This course will focus on the foundations of structure, character, conflict, dialogue, and setting, and how to apply these elements to storytelling on the small screen. Students will learn to pitch their ideas effectively to writer-producers and then outline, write, and polish a spec script for a currently running television series. Variable content course. May be repeated when project changes. May be taught concurrently with MED 566. Cannot receive credit for both MED 668 and MED 566 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 669 Rewriting Film and Television Scripts**

*Prerequisite: permission of instructor.*

An examination of the many phases of rewriting television or feature length screenplays for professional submission. Students will rewrite and workshop their scripts with an eye toward the current marketplace. Variable content course. May be taught concurrently with MED 567. Cannot receive credit for both MED 669 and MED 567 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 670 Film Theory**

An analysis of the art of film by using classical and contemporary film theory to investigate such aspects as the relationship between form and content, visual style, and the nature of pictorial motion. Weekly screenings and discussions of short film excerpts, complete classics and contemporary films. May be taught concurrently with MED 570. Cannot receive credit for both MED 570 and MED 670.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**MED 671 Writing the Web Series**

An advanced practicum in conceiving and collaboratively writing an original episodic series for the web. Students will work together in an intimate writers' room atmosphere to develop original web series for future production at Missouri State. Emphasis will be on sustainable premises, filmable budgets, and compelling character-based conflicts. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 568. Cannot receive credit for both MED 568 and MED 671 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 672 Advanced Screenwriting**

*Prerequisite: MED 667 or MED 668 or permission of Instructor.*

Focus on group discussion and criticism. Students either build on past work to complete a feature length screenplay or else write a new television pilot and series bible. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 569. Cannot receive credit for both MED 672 and MED 569 for the same project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 680 Media in Politics**

An in-depth examination of the role of print and electronic media in American politics. Emphasis is placed on media coverage of government, social issues, and political campaigns. The course examines both the strategies of paid media and the media's coverage of politics as news. May be taught concurrently with MED 580. Cannot receive credit for both MED 580 and MED 680.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MED 681 Issues in Media Ethics**

An investigation of fundamental ethical issues and their implications for media practitioners. Responsibilities of media practitioners to the public, advertising agencies, the government, and special interest groups will be examined. Special attention will be paid to the possibility of conflict between the business of media and general ethical considerations. May be taught concurrently with MED 581. Cannot receive credit for both MED 581 and MED 681.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MED 683 Advanced Television Production**

*Prerequisite: MED 383.*

Principles, skills, and techniques involved in advanced television production. Practical experience in writing, producing, directing and editing non-fiction television content for a video-magazine, news show, and/or promotions. May be taught concurrently with MED 583. Cannot receive credit for both MED 683 and MED 583.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MED 695 Media Internship**

*Prerequisite: permission of instructor.*

Work experience with a professional media organization. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated to a total of 6 hours. May be taught concurrently with MED 595. Cannot receive credit for both MED 595 and MED 695.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MED 697 Advanced Studies in Media**

*Prerequisite: permission of instructor.*

In-depth examination of a special topic in media. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with MED 597. Cannot receive credit for both MED 597 and MED 697.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MED 704 Theory and Research in Mass Communication**

Survey of theories, models and research in mass communication. Topics include propaganda, attitude change, agenda setting and media effects research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MED 762 TV/Film Producing and Marketing**

An in-depth examination of the producer's various roles in television and film production. Practical experience with grant writing, script breakdowns, scheduling, budgets, and business plan development will provide the student with an understanding of the various aspects of production and how the development and structure of the script can affect the production's outcome.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MED 792 Independent Study in Media**

*Prerequisite: permission of instructor.*

Supervised independent study in research of theories or application of learning through a creative project. Variable content course. May be repeated to a total of 6 hours if the content of the research or the project is different.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MED 793 Practicum in Producing or Production**

Students will work closely with faculty supervisor to produce and create film, television, or internet projects. Particular focus on leadership and communication skills, as well as using technology appropriate to the professional workplace. Variable topic course. May be repeated to a total of 6 hours with permission of the department when project is different.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Electronic Arts

## Major(s)

### Electronic Arts (Non-Comprehensive)

Bachelor of Science

**Admission requirements**

Preadmission Core Courses: Complete 9 hours with a GPA of 3.00 or higher from the following Electronic Arts preadmission core courses before applying to the program: ART 100(3), MED 290(3), MED 365(3), MUS 216(3). Core courses in the student's chosen option must be completed before applying.

Portfolio must include a minimum of two and a maximum of three examples of audio, video, interactive new media, and/or computer animation work, with at least one example coming from the preadmission core course in the option area to which the student is applying. Students seeking admission to the Electronic Arts program in the area of Computer Animation Studies must include at least one work from ART 230 or ART 330. Specific guidelines are required for portfolios. See advisor or the Electronic Arts Coordinator for details.

**Program requirements**

A. General Education Program and Requirements

B. Major Requirements (39 hours)

1. Core Courses: ART 100(3), 300(3); MUS 216(3); MED 290(3), 365(3); 6-hour sequence from ART 498(3) or MED 498(3)

2. Choose one of the following options (18 hours):

   a. **Audio Studies:** MED 461(3), 561(3); MUS 100(3), 316(3); select 6 hours of electives with advisor approval: MED 361(3), 492(3), 595(1-3); MUS 103(3), 137(1), 327(2), 399(1-3), 416(3), 512(3), 529(3); THE 558(3)

   b. **Computer Animation Studies:** See Department of Art and Design section of catalog.

c. **Interactive New Media Studies:** MED 390(3), 490(3); ART 210(3); select 9 hours of electives with advisor approval: ART 230(3); MED 355(3), 465(3), 492(3), 595(1-3); DES 202(3). *DES 202 should be taken only after successful completion of initial portfolio review.*

d. **Video Studies:** ART 230(3); MED 465(3); select 12 hours of electives with advisor approval: MED 360(3), 390(3), 462(3), 466(3), 492(3), 562(3), 565(3), 567(3), 595(1-3)

3. Successful completion of the junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review must be achieved before admission to ART 498/MED 498, Senior Project in Electronic Arts, will be granted.

4. Public Affairs Capstone (PAC) Experience – all students are required to complete a three hour PAC by completing one of the following options:

   a. MED 498 – senior thesis project is directly related to cultural competence, community engagement, and/or ethical leadership issues. The PA component of the senior project will be defined specifically when the senior project is approved by the faculty team teaching the course.

   b. Study Away Experience – a study away experience of at least three hours will automatically meet the PAC requirement. Students will be expected to address issues related to cultural competency in their self-reflective report at the end of the study away experience.

   c. MED 595 – a three hour internship will meet the PAC requirement when the internship directly involves at least one aspect of the PA components (community engagement, cultural competency or ethical leadership).

   d. MED 492 – a three hour independent study will meet the PAC requirement when it involves a substantial component involving community engagement or cultural competency.

C. Minor Required. Note: No more than 6 hours may count for both the Electronic Arts major and the minor. Students should seek advisor approval for courses in the minor.

D. General Baccalaureate Degree Requirements

## Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Film Studies

## Minor(s)

### Film Studies

Bachelor of Arts
Bachelor of Science

A. MED 274(3), 570(3)

B. 12 hours of electives from MED 300(1-3) with advisor approval, MED 374(3), 375(3), 470(3-6) to bring the total hours in minor to at least 18 hours.

# Journalism

## Major(s)

### Journalism (Non-Comprehensive)

Bachelor of Science

**Departmental admission requirements**

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.

B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.

C. Complete COM 115 and ENG 110.

D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.

1. Departmental preadmission core: MED 120(3), 130(3), 220(3)

2. Required major-specific course:
   Journalism major - JRN 270(3)
   Non-Comprehensive Mass Media major - MED 274(3)
   Comprehensive Mass Media major - MED 365(3)

E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

**Restriction**

Departmental majors may *not* take a second major within the department.

### Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and JRN 270(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

### Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: MED 120(3)

B. Major Requirements (48 hours)

   1. Departmental Preadmission Core: MED 130(3), 220(3)
   2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)
   3. Journalism Core: JRN 270(3), 595(3)
   4. Writing: JRN 370(3), 381(3)
   5. Reporting: JRN 388(3), 572(3)
   6. Performance: JRN 384(3)
   7. Convergence and Technology Expertise: JRN 478(3); select 3 hours from JRN 476(3) or 481(3)
   8. Capstone Experience: select 3 hours from JRN 374(3), 375(3), 376(3), 592(3)
   9. Select 3 hours from MED 355(3), 390(3), or any JRN course
   10. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).

C. Minor required. Note: No course may count for both the Journalism major and the minor.

D. General Baccalaureate Degree Requirements

## Minor(s)

## Journalism

Bachelor of Arts

Bachelor of Science

A. JRN 270(3), 407(3)

B. 12 hours of elective JRN courses to bring total hours in minor to at least 18 hours.

## Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Mass Media

## Major(s)

### Mass Media (Non-Comprehensive) (BA)

Bachelor of Arts

**Departmental admission requirements**

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.

B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.

C. Complete COM 115 and ENG 110.

D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.

   1. Departmental preadmission core: MED 120(3), 130(3), 220(3)

   2. Required major-specific course:
      Journalism major - JRN 270(3)
      Non-Comprehensive Mass Media major - MED 274(3)
      Comprehensive Mass Media major - MED 365(3)

E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

**Restriction**

Departmental majors may *not* take a second major within the department.

### Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and MED 274(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

### Program requirements

A. General Education Program and Requirements
Specific General Education Requirement: MED 120(3)

B. Major Requirements (39 hours)

1. Departmental Preadmission Core: MED 130(3), 220(3)
2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)
3. Mass Media (Non-Comprehensive) Core: MED 274(3), 454(3)
4. Theory/Critical: Select 6 hours from MED 320(3), 355(3), 570(3), 580(3)
5. History: Select 6 hours from MED 325(3), 374(3), 375(3)
6. Writing: Select 3 hours from MED 360(3), 463(3), 464(3)
7. Applied: Select 3 hours from MED 290(3), 365(3), 595(1-6)
8. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).

Note: When applicable, MED 300(1-6) Special Topics in Media, MED 470(1-6) Advanced Topics in Film, MED 492(1-6) Independent Study in Electronic Media, and MED 597 Advanced Studies in Media may be used in category, with advisor approval. When applicable, no more than two courses from other departments may be substituted for the optional courses, with advisor approval.

C. Minor Required. Note: No course may count for both the Mass Media major and the minor.

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Mass Media (Non-Comprehensive) (BS)

Bachelor of Science

## Departmental admission requirements

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.

B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.

C. Complete COM 115 and ENG 110.

D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.

1. Departmental preadmission core: MED 120(3), 130(3), 220(3)

2. Required major-specific course:
   Journalism major - JRN 270(3)
   Non-Comprehensive Mass Media major - MED 274(3)
   Comprehensive Mass Media major - MED 365(3)

E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

## Restriction

Departmental majors may *not* take a second major within the department.

## Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and MED 274(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

## Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: MED 120(3)

B. Major Requirements (39 hours)

   1. Departmental Preadmission Core: MED 130(3), 220(3)
   2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)
   3. Mass Media (Non-Comprehensive) Core: MED 274(3), 454(3)
   4. Theory/Critical: Select 6 hours from MED 320(3), 355(3), 570(3), 580(3)
   5. History: Select 6 hours from MED 325(3), 374(3), 375(3)
   6. Writing: Select 3 hours from MED 360(3), 463(3), 464(3)
   7. Applied: Select 3 hours from MED 290(3), 365(3), 595(1-6)
   8. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).

      Note: When applicable, MED 300(1-6) Special Topics in Media, MED 470(1-6) Advanced Topics in Film, MED 492(1-6) Independent Study in Electronic Media, and MED 597 Advanced Studies in Media may be used in category, with advisor approval. When applicable, no more than two courses from other departments may be substituted for the optional courses, with advisor approval.

C. Minor Required. Note: No course may count for both the Mass Media major and the minor.

D. General Baccalaureate Degree Requirements

## Mass Media (Comprehensive)

Bachelor of Science

**Departmental admission requirements**

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.

B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.

C. Complete COM 115 and ENG 110.

D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.

1. Departmental preadmission core: MED 120(3), 130(3), 220(3)

2. Required major-specific course:
Journalism major - JRN 270(3)
Non-Comprehensive Mass Media major - MED 274(3)
Comprehensive Mass Media major - MED 365(3)

E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.

F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

## Restriction

Departmental majors may *not* take a second major within the department.

## Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and MED 365(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

## Program requirements

A. General Education Program and Requirements
Specific General Education Requirement: MED 120(3)

B. Major Requirements (60 hours)

1. Departmental Preadmission Core: MED 130(3), 220(3)

2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)

3. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).

4. General Mass Media Courses:

a. MED 274(3), 454(3)

b. Theory: Select 3 hours from MED 355(3), 570(3)

c. History: Select 3 hours from MED 325(3), 374(3), 375(3)

5. Digital Film and Television Production Courses:
   a. Beginning Production: MED 365(3)
   b. Screenwriting: MED 360(3); select 3 hours from MED 464(3), 565(3), 566(3)
   c. Audio Production: Select 3 hours from MED 361(3), 382(3), 461(3)
   d. Editing: MED 461(3) or 466(3)
   e. Intermediate Production: Select 9 hours from MED 383(3), 462(3), 465(3), 466(3), 472(3), 483(3)
   f. Capstone Production: Select 3 hours from MED 561(3), 562(3), 583(3)
   g. Electives: Select 6 hours from MED 300, 470, 492, 595, 597 or any JRN or MED courses.
6. No course may be used to satisfy more than one requirement within the Mass Media major.

C. Note: Students majoring in Mass Media (Comprehensive) cannot also complete a minor in Mass Media. They may select, as an optional minor, Film Studies, Journalism, Screenwriting or any other BS minor. No more than 6 hours may count toward both the Mass Media major and any minor.

D. General Baccalaureate Degree Requirements

## Minor(s)

### Mass Media

Bachelor of Arts
Bachelor of Science

A. MED 120(3), 454(3)

B. 12 hours of MED electives (6 hours must be numbered 300 or higher) to bring total hours in minor to at least 18 hours. Note: Students majoring in Journalism must complete an

additional three hours of media electives since MED 120 is required to complete this major and no course may count toward both the major and a minor.

## Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Press Politics Certificate

## Certificate(s)

### Press Politics

The Press Politics certificate is a 15-hour program for students who are interested in pursuing a career in politics, media, political commentary, journalism, campaign management and messaging, lobbying, or other related fields. Graduates with this certificate will have practice in political reporting, political communication, and an understanding of political behavior as it is impacted by mediated messages.

Admission to the Press Politics certificate is not dependent on admission to a degree program. This certificate is marketed to both matriculating and non-matriculating students.

#### Program Requirements

A. JRN 270(3); COM 550(3); PLS 317(3) or PLS 319(3)

B. Select 6 additional hours of electives in consultation with certificate advisor from: JRN 388(3), JRN 478(3), MED 580(3)

# Screenwriting

## Minor(s)

### Screenwriting

A. MED 565(3), 566(3), 567(3), 569(3)

B. 6 hours of electives from MED 360(3), 463(3, 464(3), 568(3); MED 300(1-3) with program coordinator's approval; MED 597(3) with program coordinator's approval, to bring the total hours in minor to at least 18 hours.

# Writing for Television and Film Certificate

## Certificate(s)

### Writing for Television and Film

The undergraduate certificate in Writing for Television and Film is designed to teach students the screenwriting craft; to develop each student's potential and to help all students find their unique style; to expose students to the concept of "workshopping pages" and giving and receiving critical input on style, writing technique and structure; and to provide insight into today's film and television market.

#### Admission requirements

Minimum of 30 credit hours and a combined GPA (Missouri State and transfer) of 2.50 or better

#### Program requirements

A. MED 360(3), 565(3), 566(3)

B. One of the following: MED 567(3), 569(3)

C. Complete a total of at least 12 hours and attain a GPA of 2.00 or better on all certificate coursework

# Department of Modern and Classical Languages

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Chinese (Minor)

Classics-Concentration in Ancient Greek (Minor)

Classics-Classical Humanities (Minor)

Classics-Latin Concentration (BA, Minor)

French (Minor)

German (Minor)

Japanese (Minor)

Modern Language (BS) *Options: Applied Business, Second Language, Teacher Certification, Translation*

Modern Language (BS) *Minor Required*

Spanish (Minor)

### Graduate

Applied Second Language Acquisition (MASLA)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Modern Language/Teacher Certification in French, German, Classics-Latin Concentration, and Spanish (BS)
- Council for the Accreditation of Educator Preparation –

## Contact

**Department head**

Jason R. Jolley, PhD

**Office**

Modern Language/Teacher Certification in French, German, Classics-Latin Concentration, and Spanish (BS)

## General information

The Department of Modern and Classical Languages (MCL) dedicates itself to providing the linguistic and cultural foundations necessary for students to flourish in the Twenty-first Century. Our courses prepare students to present themselves as educated citizens in the global village, schooled in the ancient traditions and the modern societies of West and East, experienced in understanding and communicating across borders and at home everywhere in a changing world.

The Department offers classes in more than a dozen different languages – both modern and classical – as well as courses on related topics, such as literature, film, culture, and translation. Students in MCL programs participate in a variety of activities which complement the Department's academic programs, such as language clubs, conversation tables, honor societies, and community outreach activities. MCL also offers study away opportunities, allowing students to improve the languages they study and acquire global competence in authentic contexts.

Siceluff Hall, Room 223

**Phone**

417-836-5122

**Fax**

417-836-7626

**Email**

MCL@missouristate.edu

**Website**

www.missouristate.edu/mcl

## Initial placement

Initial placement refers to the specific level at which students begin coursework in a language in the department. Proper initial placement safeguards the integrity of the department's lower-division courses, recognizes students' prior learning experiences, and helps them save time and money. The department has adopted and enforces the following guidelines with respect to initial placement:

- Students with no prior experience in a language must enroll in the 101-level course.
- Students with transfer credit in a language (including dual credit) must enroll in the next course in the sequence, may not take the placement exam, and are not eligible to receive retroactive credit.
- Students who have studied a language in high school (without receiving dual credit), heritage

speakers (students who have grown up speaking a language other than English in their homes), and other non-native speakers with prior exposure to a language must take the placement exam adopted by the department prior to enrollment in their initial language course. If no placement exam has been adopted, students must consult with a faculty member who will assess their proficiency and make an initial placement determination.

- Students whose placement exam scores are very high and who wish to begin above the 202 level may request that a faculty member assess their proficiency and eligibility for higher initial placement.
- Native speakers (students who were raised and educated in communities and countries where the language is spoken) must consult with departmental faculty for a determination of appropriate initial placement.
- Students must initially enroll in the course indicated by their placement score or faculty proficiency assessment. However, an initial placement may be adjusted downward or upward upon request by the student and with faculty approval.
- The department head has the authority to approve student requests for exceptions to the above placement guidelines.

## Retroactive credit

Students who bypass levels in a language sequence as a result of initial placements determined through placement exam scores or faculty proficiency assessments may request retroactive credit for lower courses in the sequence if they complete the course into which they are initially placed with a B or better. Students who intend to major or minor in a language program may receive up to 12 hours of retroactive credit. Otherwise, the limit is 6 hours.

## Accelerated pathway – Spanish minor

Because the Department recognizes that many students have acquired proficiency in Spanish as a result of previous exposure to and experience with the language, it has established an accelerated pathway for completion of the minor. The accelerated pathway allows students with demonstrated language abilities to begin at a higher point in the regular sequence. Eligible students must complete their first course (usually SPN 312) with a B or better to receive nine hours of retroactive credit. They then complete the minor by passing two additional upper-division Spanish electives.

Learners from the following groups may be eligible for the accelerated pathway, pending verification of their language proficiency:

- Heritage speakers - learners raised in Spanish-speaking households who completed

secondary education in the United States.

- Native speakers - learners who completed secondary education in countries where Spanish is the primary language.
- Other speakers with advanced proficiency - learners who have developed high degrees of functional language ability because of intensive study or long-term residency in Spanish-speaking countries.

Students interested in pursuing the accelerated pathway should call the MCL office and request an appointment with the department head for an eligibility assessment.

### Teacher certification

In conjunction with the College of Education, the Department offers a variety of fully accredited teacher certification options, including the Bachelor of Science in Modern Language, post-baccalaureate certification, and graduate-level alternatives.

### The Foreign Language Institute

By combining students and instructional resources from Missouri State University and other area universities, the Foreign Language Institute (FLI) allows students to study languages that otherwise might not be available in the region. Missouri State University students may enroll in and receive academic credit for FLI courses in less commonly taught and critical languages, such as Arabic, Chinese, Italian, Japanese, Korean, Russian, and Portuguese. The FLI is jointly administered by the Department of Modern and Classical Languages and International Programs.

## Program requirements and restrictions

### Bachelor of Arts language requirement

All students pursuing a Bachelor of Arts degree must complete a language requirement of 12 hours. Students may complete 12 hours in a single language offered by the Department of Modern and Classical Languages to meet this requirement. Students with advanced proficiency in a language other than English may be exempted from this requirement with approval from the head of the Department of Modern and Classical Languages.

### Bachelor of Arts fine arts restriction

Literature courses in this department will count toward the Fine Arts requirement provided those courses have not also been used to meet the foreign language requirement.

# Modern and Classical Languages Faculty

## Professors

Edwin Carawan, PhD

Joseph J. Hughes, PhD

Judith Martin, PhD

Pauline Nugent, PhD

## Associate professors

Jason R. Jolley, PhD

Pedro Koo, PhD

Tonia E. Tinsley, PhD

## Assistant professors

Heidi A. Backes, PhD

Antoinette Barffour, PhD

Maria Cerdas Cisneros, PhD

Luciane L. Maimone, MS

Vanessa Rodriguez de la Vega, PhD

## Senior instructors

Anne Colombo, MA

Luis Lombilla, MA

Corinne Shirley, PhD

Weirong Yan-Schaefer, PhD

## Instructors

Blanca Judith Martinez, MA

J. Dane Wallace, MA

## Emeritus faculty

Robert J. Berndt, PhD

D. Roger R. Dowdy, PhD

Larry L. George, PhD

Mary Harges, PhD

William Holman, PhD

Madeleine Hooper, PhD

Julie A. Johnson, PhD

Curtis P. Lawrence, PhD

David Lee, PhD

Robert L. Norton, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Modern and Classical Languages Courses

## Arabic (ARB) courses

**ARB 101 Elementary Arabic I**

Develop proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential for effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ARB 102 Elementary Arabic II**

*Prerequisite: C or better in ARB 101.*

Develop additional proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential for effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ARB 201 Intermediate Arabic I**

*Prerequisite: C or better in ARB 102.*

Systematic review, expansion, and synthesis of the four skill areas. This course will enhance communication skills by providing a thorough review of fundamentals of grammar through real-life language use, reading, and composition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ARB 202 Intermediate Arabic II**

*Prerequisite: C or better in ARB 201.*

Continued development of the four skill areas through conversation, composition, and reading as a means to access culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ARB 297 Special Topics in Arabic**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Arabic studies, including travel courses to Arabic-speaking countries. The specific subject matter and/or international component may vary according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ARB 305 Advanced Arabic Proficiency Skills**

*Prerequisite: C or better in ARB 202.*

Readings and discussions in modern standard Arabic, continuing the method used in teaching ARB 201 and 202. Enhances communicative skills by providing intensive practice in reading, writing, listening, speaking and active control of grammar and vocabulary.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Chinese (CHI) courses

**CHI 101 Elementary Chinese I**

Essentials of grammar through aural-oral practice, dictation, reading and writing. Course conducted in Mandarin Chinese as far as practicable.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 102 Elementary Chinese II**

*Prerequisite: C or better in CHI 101.*

Continuation of CHI 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 201 Intermediate Chinese I**

*Prerequisite: C or better in CHI 102.*

Continuation of CHI 102 with emphasis on reading, conversation, and an introduction to Chinese history and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 202 Intermediate Chinese II**

*Prerequisite: C or better in CHI 201.*

Continuation of CHI 201 with emphasis on reading, conversation, history, and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 297 Special Topics in Chinese**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Chinese studies, including travel courses to Chinese-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CHI 311 Chinese Reading and Conversation**

*Prerequisite: CHI 202.*

A course designed to develop and refine students' conversational and reading skills through short speeches, group discussion, free conversation and reading. May be repeated, as content changes, to a maximum of 6 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 312 Chinese Reading and Composition**

*Prerequisite: CHI 202.*

This course is designed to help students strengthen and expand their reading and writing skills in Chinese through the reading of authentic Chinese articles, grammar review, and writing practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 410 Translation**

*Prerequisite: CHI 312.*

Activities and exercises focused on oral and written translation for career fields.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 415 Business and Professional Chinese**

*Prerequisite: CHI 312 or above.*

Introduction to Chinese language and culture as used in business and selected professions. Variable content course. May be repeated once with different content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHI 498 Seminar Course in Chinese**

*Prerequisite: C or better in CHI 202 or permission of instructor and department head.*

Supervised independent study in Chinese language, literature, and culture. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## French (FRN) courses

**FRN 101 Elementary French I**

Essentials of French language emphasizing the development of speaking, listening, reading, and writing within a culturally relevant context.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FRN 102 Elementary French II**

*Prerequisite: C or better in FRN 101.*

Continuation of FRN 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FRN 201 Intermediate French I**

*Prerequisite: C or better in FRN 102.*

Francophone culture through discussion of readings, films and music.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FRN 202 Intermediate French II**

*Prerequisite: C or better in FRN 201.*

A focus on literacy through compositions and readings in francophone culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FRN 297 Special Topics in French**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in French studies, including travel-courses to French-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FRN 300 Service Learning in French**

*Prerequisite: 30 hours and concurrent registration in a French course at the 202 level or above.*

This service learning component for the existing French curriculum incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service providing instruction or other community service in the Springfield-area schools and other community groups. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**FRN 302 Topics in French Culture**

*Prerequisite: FRN 102.*

Topics may cover history or culture of France. Variable content course. May be repeated, as topics change, to a maximum of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FRN 311 French Conversation**

*Prerequisite: FRN 201.*

Oral practice in short speeches, group discussion and free conversation. May be repeated, as content changes, to a maximum of 6 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FRN 312 French Grammar and Composition**

*Prerequisite: FRN 202.*

Review of French grammar with writing practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FRN 324 Topics in Francophone Linguistics**

*Prerequisite: FRN 312.*

This course develops students' understanding of issues in Francophone linguistics by exploring such topics as phonetics and phonology, morphology and syntax, semantics, history of the language, and regional and social language variation. The emphasis will most often be on the area of phonetics and phonology. May be repeated once with different content. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 326 Culture Populaire**

*Prerequisite: FRN 202.*

History and culture of France and francophone countries; includes geography, philosophy and arts. May be repeated, as content changes, to a maximum of 6 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FRN 335 L'Esprit francais**

*Prerequisite: FRN 312 or permission of instructor.*

Through the study of artistic works, including fine arts, cinema, and literature, students will become more familiar with the origins, lives and influences of the most prominent Francophone figures and symbolic icons. Students will learn how to read, analyze, interpret, and discuss a wide selection of works and concepts in French; and to synthesize the material into an accurate and coherent picture of French literary and cultural developments. Variable content course. Repeatable up to 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 381 French Literature from the Middle Ages to the Enlightenment**

*Prerequisite: FRN 312.*

A survey of authors, movements, ideas, and styles, e.g., Villon, Montaigne, Rabelais, Pascal, Rousseau.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 382 French Literature of the 19th and 20th Centuries**

*Prerequisite: FRN 312.*

A survey of representative work, e.g., Hugo, Flaubert, Camus.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 410 Translation**

*Prerequisite: FRN 312.*

Activities and exercises on oral and written translation focusing on career fields. May be repeated as course content changes up to 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 412 Le Cinema francophone**

*Prerequisite: FRN 312 or permission of instructor.*

A study of culture, language, and literature through francophone film. Repeatable up to 6 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 414 Le Francais Vivant**

*Prerequisite: FRN 202.*

A course designed to increase French fluency and comprehension, emphasizing modern, useful French as it is spoken today by natives. Students will explore the French language in a broad range of real everyday situations. Topics include idiomatic expressions, slang, spoken contractions, French non-verbal communication, and the language of the Internet. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FRN 415 Vivre et Travailler en francais**

*Prerequisite: FRN 312 or permission of instructor.*

Social and business interactions in the francophone world. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FRN 495 Advanced Undergraduate Seminar in French**

*Prerequisite: FRN 312 and FRN 326 or permission of instructor.*

Study of advanced topics relating to language and proficiency development or literary and cultural themes in French or Francophone cultures. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 498 Seminar Course in French**

*Prerequisite: permission of instructor and department head.*

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FRN 725 Seminar in Francophone Literature and Culture**

This course will enhance students' language proficiency and cultural competence through the interpretation and analysis of selected literary, philosophical, and cultural texts from the Francophone tradition. Variable content course. May be repeated once with changed content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FRN 735 Advanced French Proficiency**

After an assessment of global language proficiency, students receive personalized guidance and selected periodic assessments to help them to strengthen their interpretive, interpersonal, and presentational skills in the target language. This course designation may also be used to grant credit for prior learning on the basis of established proficiency assessments.

**Credit hours:** 3-12
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## German (GRM) courses

**GRM 101 Elementary German I**

Develop proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRM 102 Elementary German II**

*Prerequisite: C or better in GRM 101.*

Develop additional proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential to effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRM 201 Intermediate German I**

*Prerequisite: C or better in GRM 102.*

Systematic review, expansion, and synthesis of the four skill areas. Communicative skills will be enhanced by providing a thorough review of fundamentals of grammar through real-life language use, reading, and composition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRM 202 Intermediate German II**

*Prerequisite: C or better in GRM 201.*

Continuation of the development of the four skills through conversation, composition and readings as a means to access culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRM 297 Special Topics in German**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in German studies, including travel-courses to German-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRM 300 Service Learning in German**

*Prerequisite: 30 hours and concurrent registration in a German course at the 202 level or above.*

This service component for the existing German curriculum incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service providing instruction or other community service in the Springfield-area schools and other community groups. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GRM 301 Intensive Grammar Review**

*Prerequisite: GRM 102.*

Intensive grammar review of selected topics. May be repeated with different topics to a maximum of 3 credit hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRM 302 Topics in German(ic) Culture**

*Prerequisite: GRM 102.*

Selected topics in culture and travel. May be repeated with different topics to a maximum of 3 credit hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRM 303 Language and Technology**

*Prerequisite: GRM 102.*

Issues concerning German and technology. May be repeated with different topics to a maximum of three credit hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRM 304 Conversational Strategies**

*Prerequisite: GRM 201.*

This course will introduce students to strategies for conversing in the target language. Emphasis will be placed on building vocabulary, developing listening comprehension skills, learning how to construct discussions and to use appropriate expressions.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRM 311 German Reading and Conversation**

*Prerequisite: GRM 202.*

A structured course designed to develop and refine students reading and conversational skills. May be repeated, as content changes, to a maximum of 6 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 312 German Composition**

*Prerequisite: GRM 311.*

A writing intensive course designed to introduce students to a variety of text types. Emphasis is placed on recognizing the differences among the texts and student practice in preparing similar original texts. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 320 German Cinema**

*Prerequisite: GRM 202.*

The survey of major films produced in Germany serves as a basis for the study of German culture, German language, and German literature. Course emphasizes the way that film content and theme development are useful in analyzing German language usage and culture in selected films. Subject will vary from semester to semester. Examples: History and Culture Through Film; From Novel to Film; East German Film; The Image of Women in Film. Repeatable up to 6 hours. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 325 Kulturkunde der deutschsprachigen Lander**

*Prerequisite: GRM 202.*

An introduction to major historical periods and cultural movements of the German-speaking countries. Study includes geography, history, philosophy and the arts. Variable content course. May be repeated up to 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 400 Praktikum**

*Prerequisite: permission of instructor.*

A focused course that students can combine with other German classes in order to pursue a special interest within the normal course content. May be repeated with a different content to a maximum of 3 credit hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRM 410 Translation**

*Prerequisite: GRM 312.*

Activities and exercises focused on oral and written translation on career fields.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 415 German for Professional and Business Use**

*Prerequisite: GRM 311 or above.*

Focus on advanced speaking and reading proficiency for applied use in professional fields such as administration, international relations, global studies and business.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 455 Masterpieces of 19th Century German Literature**

*Prerequisite: GRM 311 or above.*

Selected works or authors from the 19th century. May be repeated once with a different topic. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 465 Masterpieces of 20th Century German Literature**

*Prerequisite: GRM 311 or above.*

Selected works or authors from the 20th century. May be repeated once with a different topic. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 475 Topics in German(ic) Literature and Culture**

*Prerequisite: GRM 311 or above.*

Selected topics in German(ic) literature and culture. May be repeated once with a different topic. Variable content course. May be taught concurrently with GRM 375. Students enrolled in GRM 475 will complete more advanced assignments. Cannot receive credit for both GRM 375 and GRM 475.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 485 Thematic Approaches to German Literature**

*Prerequisite: GRM 311 or above.*

A survey of German literature across multiple centuries from the perspective of a particular theme. May be repeated once as topics change. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 495 Advanced Undergraduate Seminar in German**

*Prerequisite: GRM 312 and GRM 325 or permission of instructor.*

Study of advanced topics relating to language and proficiency development or literary and cultural themes in German-language cultures. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRM 498 Seminar Course in German**

*Prerequisite: permission of instructor and department head.*

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for no more than 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Greek (GRK) courses

**GRK 101 Elementary Ancient Greek I**

Essentials of grammar and vocabulary building through reading and writing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRK 102 Elementary Ancient Greek II**

*Prerequisite: C or better in GRK 101.*

Continuation of GRK 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRK 201 Intermediate Ancient Greek I**

*Prerequisite: C or better in GRK 102.*

Continuation of GRK 102 with increased emphasis on reading.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRK 202 Intermediate Ancient Greek II**

*Prerequisite: C or better in GRK 201.*

Introduction to Greek literature; analysis of its subjects, forms, and ideals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRK 297 Special Topics in Greek**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Greek studies, including travel courses to Greek-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRK 301 Studies in Greek Prose**

*Prerequisite: C or better in GRK 201.*

An introduction to ancient Greek prose: study of the New Testament and/or such writers as Xenophon, Herodotus, Plato, and Lysias. May be repeated once with changed content. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRK 302 Studies in Greek Poetry**

*Prerequisite: C or better in GRK 201.*

An introduction to ancient Greek poetry: study of works by such writers as Homer, Sophocles, and Euripides. May be repeated once with changed content. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRK 498 Seminar Course in Ancient Greek**

*Prerequisite: C or better in GRK 202 and permission of instructor and department head.*

Supervised independent study in Greek literature and translation. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRK 503 Advanced Greek Translation**

*Prerequisite: GRK 202.*

Advanced training in the skills of translating and explicating texts in classical and koine Greek. May be repeated to 9 hours if topic varies. Variable content course. May be taught concurrently with GRK 603. Cannot receive credit for both GRK 603 and GRK 503.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRK 603 Advanced Greek Translation**

Advanced training in the skills of translating and explicating texts in classical and koine Greek. May be repeated to 9 hours if topic varies. Variable content course. May be taught concurrently with GRK 503. Cannot receive credit for both GRK 503 and GRK 603.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Hebrew (HBW) courses

**HBW 101 Elementary Biblical Hebrew I**

The essentials of grammar and vocabulary building of Ancient Hebrew through reading and writing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HBW 102 Elementary Biblical Hebrew II**

*Prerequisite: C or better in HBW 101.*

Continuation of HBW 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HBW 201 Intermediate Biblical Hebrew I**

*Prerequisite: C or better in HBW 102.*

Continuation of HBW 102, with increased emphasis on reading.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HBW 202 Intermediate Biblical Hebrew II**

*Prerequisite: C or better in HBW 201.*

Introduction to Ancient Hebrew Literature; analysis of its subject, forms and ideals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HBW 297 Special Topics in Hebrew**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Hebrew studies, including travel courses to Hebrew-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Italian (ITL) courses

**ITL 101 Elementary Italian I**

Essentials of Italian Language emphasizing the development of speaking, listening, reading, and writing within a culturally relevant context.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ITL 102 Elementary Italian II**

*Prerequisite: C or better in ITL 101.*

Continuation of ITL 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ITL 201 Intermediate Italian I**

*Prerequisite: C or better in ITL 102.*

Systematic review, expansion, and synthesis of the four skill areas. This course will enhance communication skills by providing a thorough review of fundamentals of grammar through real-life language use, reading, and composition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ITL 202 Intermediate Italian II**

*Prerequisite: C or better in ITL 201.*

Develop additional proficiency in the four communication skills: listening, reading, speaking and writing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ITL 297 Special Topics in Italian**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Italian studies, including travel courses to Italian-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Japanese (JPN) courses

**JPN 101 Elementary Japanese I**

Essentials of grammar through aural-oral practice, dictation, reading and writing. Course conducted in Japanese as far as practicable.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JPN 102 Elementary Japanese II**

*Prerequisite: C or better in JPN 101.*

Continuation of JPN 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JPN 201 Intermediate Japanese I**

*Prerequisite: C or better in JPN 102.*

Continuation of JPN 102 with increased emphasis on reading.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JPN 202 Intermediate Japanese II**

*Prerequisite: C or better in JPN 201.*

Introduction to Japanese literature; analysis of its subjects, forms and ideals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JPN 297 Special Topics in Japanese**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Japanese studies, including travel courses to Japanese-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**JPN 311 Japanese Reading and Conversation**

*Prerequisite: JPN 202.*

This course is designed to further develop and refine students' reading and speaking skills through readings of short texts, group discussions, and free conversation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**JPN 312 Japanese Reading and Composition**

*Prerequisite: JPN 202.*

This course is designed to help students strengthen and expand their reading and writing skills in Japanese through the reading of authentic Japanese articles, grammar review, writing and Kanji practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Korean (KOR) courses

**KOR 101 Elementary Korean I**

This course is the first part of the introductory sequence in Korean language and culture. Students acquire novice-level communicative proficiency in the interpersonal, interpretive and presentational modes as well as an understanding of perspectives, products, and practices of Korean culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KOR 102 Elementary Korean II**

*Prerequisite: C or better in KOR 101.*

This course is the second part of the introductory sequence in Korean language and culture. Students reinforce novice-level communicative proficiency and begin to develop intermediate-level skills in the interpersonal, interpretive, and presentational modes while deepening their understanding of Korean culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KOR 201 Intermediate Korean I**

*Prerequisite: C or better in KOR 102.*

This course is the first part of the immediate sequence in Korean language and culture. Students continue to develop intermediate-level communicative proficiency in the interpersonal, interpretive and presentational modes and increase their understanding of peoples, products, and practices related to Korean culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KOR 202 Intermediate Korean II**

*Prerequisite: C or better in KOR 201.*

This course is the second part of the immediate sequence in Korean language and culture. Students reinforce intermediate-level communicative proficiency in the interpersonal, interpretive, and presentational modes while deepening their understanding of Korean culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KOR 297 Special Topics in Korean**

*Prerequisite: permission of instructor and department head.*

Focus on particular aspects of Korean language and/or culture. May also be used to recognize intermediate-level proficiency or as a transfer equivalent for coursework completed at accredited domestic or international institutions. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Language and Literature (LLT) courses

**LLT 100 Elementary Survey of Grammar for Language Students**

An introduction to the basic terminology and concepts of traditional grammar, including analysis of parts of speech, phrases, clauses, and verb transformation. No foreign language is required. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 102 Scientific and Medical Terminology**

A study of technical terminology as derived from Greek and Latin elements. Does not fulfill any language requirement.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LLT 121 Classical Mythology**

*General Education Course (Focus on Humanities).*

A study of Greek and Roman myths and legends as they appear in art, music and literature, especially epic and tragedy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LLT 180 The Heroic Quest**

*General Education Course (Focus on Cultural Competence).*

Human societies have long used the theme of the quest for self-knowledge as a vehicle to assess their own cultures and to explore ethical situations arising in civic life. This course examines texts from diverse cultural traditions in which protagonists confront their inherited identity of culture and language, providing a broader perspective on self-discovery in our own society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LLT 197 Topics in Language and Literature**

Topics of general interest in foreign languages and related areas. Variable content course taught in English which may be repeated as topics change. Refer to current schedule of classes for topic and registration information.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LLT 215 Asian Cultural Studies**

A survey of Asian civilization, touching on history, literature, language, art, religion, philosophy, and culture. Course may focus on either China or Japan. May be repeated once with changed content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 225 German Cultural Studies**

This course presents major historical periods and cultural movements as background information necessary to the study of the literature and culture of the German speaking countries. Major movements of art, literature, music, history, and philosophy will be treated. In order to count for any German major or minor, course must be taken concurrently with a GRM course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 240 Epics From Classical Antiquity**

A comparative study of epic poems in the ancient Mediterranean area. Epics considered will be used to present differing cultural views and how these views have affected and formed the western heroic tradition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 271 Special Topics in German(ic) Literature in English Translation**

This is a variable content course. May be repeated once for credit. In order to count for any German major or minor, course must be taken concurrently with a GRM course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 296 Major Authors in Translation**

A course in comparative literature offered in English translation covering one of the following areas: (a) Asian, (b) Germanic, (c) Latin America, (d) Latin and Greek, (e) Romance, and (f) Slavic. May be taken once under each of the six titles. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 321 Comparative Mythology**

Comparison of the ancient myths of Greece, Rome, Northern Europe, Mesopotamia, Egypt, the Far East, and the Americas. Readings are taken from ancient sources and modern interpretation. Lectures, discussion and writing assignments will deal with major deities and heroes, the ancient mystery religions and creation epics, with emphasis on cultural background borrowings, common structures of myth, and methods of interpretation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 325 Greek Civilization**

A survey of Greek civilization. Lectures will be based on art, archaeology, literature, and history of classical Greece and will include private life, personal religion, the professions, and literature's reflection of culture. Slide lectures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**LLT 326 Roman Civilization**

A survey of Roman civilization. Lectures will be based on the art, archaeology, literature, and history of ancient Rome and will include private life, personal religion, the professions, and literature's reflection of culture. Slide lectures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**LLT 545 Seminar in Roman Culture**

*Prerequisite: 60 hours and permission of instructor or department head.*

Selected topics in Roman culture or daily life such as Roman law, rhetoric, religion, historiography, family life, politics, etc. May be repeated once with changed content. Variable content course. May be taught concurrently with LLT 645. Cannot receive credit for both LLT 645 and LLT 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 595 Special Topics in Classics**

*Prerequisite: 50 hours and permission of instructor or department head.*

Selected topics in Classical Studies such as topography of Rome and Athens, Advanced Mythology, genre studies. May be repeated up to 6 hours with changed content. Variable content course. May be taught concurrently with LLT 695. Cannot receive credit for both LLT 695 and LLT 595.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LLT 596 Seminar in Hispanic Literature in Translation**

*Prerequisite: 60 hours and permission of instructor or department head.*

Designed to acquaint the student with major authors and works in Hispanic literature offered in English translation. Topics may include special themes, historical and political developments, and cultural aspects of the works. Variable content course. May be repeated once with changed content. May be taught concurrently with LLT 696. Cannot receive credit for both LLT 696 and LLT 596.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 645 Seminar in Roman Culture**

Selected topics in Roman culture or daily life such as Roman law, rhetoric, religion, historiography, family life, politics, etc. May be repeated once with changed content. Variable content course. May be taught concurrently with LLT 545. Cannot receive credit for both LLT 545 and LLT 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LLT 695 Special Topics in Classics**

Selected topics in Classical Studies such as topography of Rome and Athens, Advanced Mythology, genre studies. May be repeated up to 6 hours with changed content. Variable content course. May be taught concurrently with LLT 595. Cannot receive credit for both LLT 595 and LLT 695.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LLT 696 Seminar in Hispanic Literature in Translation**

Designed to acquaint the student with major authors and works in Hispanic literature offered in English translation. Topics may include special themes, historical and political developments, and cultural aspects of the works. Variable content course. May be repeated once with changed content. May be taught concurrently with LLT 596. Cannot receive credit for both LLT 596 and LLT 696.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Latin (LTN) courses

**LTN 101 Elementary Latin I**

Grammar and pronunciation; vocabulary study through reading and derivative study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**LTN 102 Elementary Latin II**

*Prerequisite: C or better in LTN 101.*

Continuation of LTN 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**LTN 201 Intermediate Latin I**

*Prerequisite: C or better in LTN 102.*

Continuation of LTN 102, with increased emphasis on reading.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**LTN 202 Intermediate Latin II**

*Prerequisite: C or better in LTN 201.*

Introduction to Latin literature, analysis of its subjects, forms and ideals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**LTN 312 Latin Composition**

*Prerequisite: LTN 202.*

Review of grammar with practice in writing, giving emphasis to style.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 450 Readings in Roman Public Affairs**

*Prerequisite: LTN 202.*

Readings in authors (Cicero, Seneca, Cato, inter alios) and genres (oratory, philosophy, letters) treating Roman civic life. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 451 Roman Elegy and Lyric**

*Prerequisite: LTN 202.*

Designed to introduce students of classics to prominent Latin lyric poets (Catullus and Horace), and to the major works of the elegiac writers (Ovid, Propertius and Tibullus, inter alios). Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 460 Roman History**

*Prerequisite: LTN 202.*

Intensive reading in one or more major historical writers from the time of Caesar to the reign of Trajan: Livy, Nepos, Sallust, Suetonius, or Tacitus. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 461 Roman Epic**

*Prerequisite: LTN 202.*

Designed primarily to provide students of the Classics with a sense of appreciation for Rome's masterpiece, Vergil's Aeneid, as well as some of the writing of other epic authors, e.g. Lucan, Statius, Valerius Flaccus, et al. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 470 Roman Letters and Personal Life**

*Prerequisite: LTN 202.*

A study of works reflecting the Roman way of life outside the political arena, including personal letters of Pliny, the Roman novel (Petronius and Apuleius), and the Philosopher's mediations on friendship, old age, and other aspects of the human condition (Cicero, Seneca). Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 471 Roman Satire**

*Prerequisite: LTN 202.*

Works of Roman satire by such authors as Horace, Petronius, Persius, Martial, and Juvenal. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 480 Research in Latin Literature**

*Prerequisite: LTN 202.*

A writing project designed to develop skills necessary for research in original texts of ancient authors. Must be taken in conjunction with LTN 450, 451, 460, 461, 470, 471 or 485. May be repeated once for a maximum of 2 hours. Does not count toward the 12-hour B.A. language requirement.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 485 Patristics and Late Latin Writers**

*Prerequisite: LTN 202.*

Introduction to post-Roman Latin used from Christian period through the Renaissance. Readings from sources such as St. Augustine, Jerome, Carmina Burana, Medieval fables, Erasmus, and Sir Thomas More. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 499 Independent Studies in Latin**

*Prerequisite: permission of instructor and department head.*

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LTN 525 Seminar in Latin Literature**

*Prerequisite: 60 hours and permission of instructor or department head.*

Selected topics in Latin literature such as genre studies, period studies, or concentration on one or more authors. May be repeated once with changed content. Variable content course. May be taught concurrently with LTN 625. Cannot receive credit for both LTN 625 and LTN 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LTN 625 Seminar in Latin Literature**

Selected topics in Latin literature such as genre studies, period studies, or concentration on one or more authors. May be repeated once with changed content. Variable content course. May be taught concurrently with LTN 525. Cannot receive credit for both LTN 525 and LTN 625.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Modern and Classical Languages (MCL) courses

**MCL 197 Introduction to a Foreign Language**

Special elementary studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 200 Global Perspectives on Languages and Cultures in Society**

*General Education Course (Focus on Cultural Competence).*

This course presents a survey of a variety of world languages and the cultures that share them. Class discussions and readings emphasize the connections between languages and geopolitical, historical, and cultural themes, which will also allow students an exploration of academic and professional career opportunities in fields that require language skills and cultural competency.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MCL 297 Intermediate Studies in a Foreign Language**

Special intermediate studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 303 Coping with Culture**

This course is designed to introduce students to a discipline-specific (e.g., Hotel and Restaurant Management; Agribusiness; International Finance, Business and Banking; Languages for Vocalists, Scientists, et al.; Travel Industry; Medical Professions, etc.) understanding of cultural differences and to provide them with a limited vocabulary specific to their discipline. It gives students a rudimentary idea of how languages (e.g., French, German, Spanish) work, and helps them achieve a basic level of expression in these languages in situations relative to their profession. In this semester-long course, students rotate every five weeks from one language instructor to another.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MCL 310 Introduction to Translation and Interpreting**

*Prerequisite: CHI 202 or FRN 202 or GRM 202 or SPN 202 or permission of instructor.*

This non-language-specific course introduces students to key concepts in translation and interpreting theory and practice, including terminology and concepts from linguistics applicable to translation, the role of translation and interpreting in local and global nonprofit and professional contexts, and information about training and certification programs. This course provides a conceptual foundation for other, language-specific courses.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MCL 397 Advanced Studies in a Foreign Language**

Special advanced studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 400 Foreign Language Practicum**

*Prerequisite: permission of instructor.*

A focused and applied course that students can combine with other language classes in order to pursue a special interest. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 410 Translation Capstone Project**

*Prerequisite: permission of instructor and department head.*

Students work closely with a partner or client from the community and a faculty mentor from their language area to complete a substantial, professional-grade translation project that integrates the theoretical concepts and practical skills obtained in previous translation-related coursework.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MCL 413 Teaching of Foreign Languages**

*Prerequisite: equivalent of 12 hours in foreign language, EDC 350, and admitted to Teacher Education Program.*

Teaching of foreign languages in secondary schools; practical application of techniques and methods. The practical application includes a practicum with teaching and observation components. Credited only on BSEd (Secondary). A grade of C or better is required in this course in order to take MCL 493 or MCL 496. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall
Projected offerings

**MCL 491 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MCL 493 Supervised Teaching Seminar**

Prerequisite; MCL 413; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; approval for supervised teaching; all course work required for the major in Modern Languages-Teacher Education Option completed; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA of 3.00 in Modern Language of Certification, with no grade lower than a "C"; minimum GPA of 3.00 in professional education; and concurrent enrollment in MCL 496. A seminar focused on the analysis of diverse aspects of teaching modern languages, to include second-language proficiency and literacy development, student learning and assessment, and field experiences during student teaching. Topics may include: Proficiency, Best Practices, The Job Search, Professional Development, Diversity, Assessment, and Classroom Management. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MCL 495 Languages and Society Capstone**

*Prerequisite: permission of instructor or department head.*

In this capstone course for modern languages majors, students work closely with a faculty mentor from their language area to complete a project or degree paper which relates their previous coursework and other language-intensive experiences (such as study away) to the University's public affairs mission. The course may also include other kinds of assessments designed to measure the degree to which students have mastered program-specific learning outcomes. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MCL 496 Supervised Teaching**

*Prerequisite: concurrent enrollment in MCL 493.*

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in school-related activities and attends both individual and group conferences. The course will include regular meetings with the University supervisor. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. The course will also include submission of the required state performance assessment from the supervised teaching. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 10
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MCL 497 Superior Studies in a Foreign Language**

Special superior studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 499 Program Assessment**

*Prerequisite: permission of instructor.*

Learning outcomes assessment required of all students graduating with MCL majors, including teacher education candidates. In order to complete the course with a passing grade, students must submit official results for each of the assessments identified for their program(s). Assessments vary by program, are subject to change, and may require the payment of registration fees by the student. Students are encouraged to consult departmental faculty or the department's web site for current information regarding assessments and fees. Students should only register for this course and schedule the requisite assessments during the semester or term in which they intend to graduate or during their final semester of residency. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MCL 500 Advanced Research in the Discipline**

*Prerequisite: 60 hours and permission of instructor or department head.*

This course will focus on research sources and methods such as the use of bibliographical materials and literary investigation and interpretation in non-English languages. Emphasis will be on resources for teachers in developing individualized professional interests. May be taught concurrently with MCL 601. Cannot receive credit for both MCL 601 and MCL 500.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MCL 550 Advanced Study Abroad**

*Prerequisite: FRN 311 or GRM 311 or SPN 205 and permission of instructor and language advisor.*

Study in an area of the world where the target language is spoken. This may be taken through the Department's existing program or at any accredited institution. May be taught concurrently with MCL 650. Cannot receive credit for both MCL 650 and MCL 550.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 597 Topics for Teachers of Foreign Languages**

*Prerequisite: 60 hours.*

Topics of discipline-specific interest to foreign language teachers, e.g., specialized technological resources or contemporary cultural materials. Sections may be specific to a particular language or concern general pedagogical issues. May be repeated up to 6 hours. Variable content course. May be taught concurrently with MCL 697. Cannot receive credit for both MCL 697 and MCL 597.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 650 Advanced Study Abroad**

Study in an area of the world where the target language is spoken. This may be taken through the Department's existing program or at any accredited institution. May be taught concurrently with MCL 550. Cannot receive credit for both MCL 550 and MCL 650.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 688 Sociolinguistics for Language Teaching**

This course explores various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language attitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. Cannot receive credit for MCL 688 and ENG 688 or ENG 592.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**MCL 691 Principles of Linguistics**

This advanced survey of linguistics covers areas such as phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Cannot receive credit for both MCL 691 and ENG 691 or 591.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MCL 695 Principles of Second Language Acquisition**

This course blends a historical overview of language acquisition theories with a focus on recent developments and their impact on second-language instructional methodologies. Cannot receive credit for both MCL 695 and ENG 695 or ENG 595.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MCL 696 Materials and Assessment in Foreign Language Teaching**

Practical and theoretical perspectives in specific areas in foreign language teaching and learning, including speaking, grammar, composition, and critical reading. Consideration of materials design and student assessment with an emphasis on literacy and proficiency development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MCL 697 Topics for Teachers of Foreign Languages**

Topics of discipline-specific interest to foreign language teachers, e.g., specialized technological resources or contemporary cultural materials. Sections may be specific to a particular language or concern general pedagogical issues. May be repeated up to 6 hours. Variable Content Course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 700 Advanced Language Teaching Methods and Technology**

This course will acquaint language teachers with current second language research and teaching practice, with emphasis on the uses of technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MCL 701 Applied Foreign Language Practicum**

*Prerequisite: permission of instructor.*

An independent studies option designed to allow students to work closely with a graduate faculty mentor to develop and implement a project that integrates principles and/or practices pertinent to second language acquisition or applied linguistics. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 710 Research Methods in Second Language Acquisition**

This course focuses on methods of conducting research in the area of second-language acquisition. Students will learn how to read, interpret, synthesize, and apply SLA research and how to design and conduct studies and disseminate results.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MCL 724 Seminar in Linguistics for Foreign Languages**

Focused exploration of topics in linguistics, phonetics and phonology, semantics, grammar and syntax, language history, language variation and change, and language acquisition as they pertain to French and/or Spanish. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MCL 730 Summer Invitational Institute**

*Prerequisite: permission of Program Coordinator or Department Head.*

An intensive course in the writing process and the writing curriculum, designed for experienced K-16 teachers across the disciplines using the National Writing Project model. Readings of current theory and research will be related to participants' experiences as writers and as teachers. Cannot receive credit for both MCL 730 and ENG 730.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**MCL 798 Degree Papers**

*Prerequisite: permission of Department Head or Program Coordinator.*

Independent research and writing toward completion of degree papers. Consultation with a designated MCL/ENG graduate faculty member and topic approval from the Program Coordinator or the Department Head are required. Not open to students writing theses to satisfy the master's research requirement. May not be repeated. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MCL 799 Thesis**

*Prerequisite: permission of instructor.*

In consultation with MCL and Education advisors, a student may elect to write a thesis on a topic within the discipline. May be repeated up to 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Portuguese (PTG) courses

**PTG 101 Elementary Portuguese I**

Develop proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential to effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PTG 102 Elementary Portuguese II**

*Prerequisite: C or better in PTG 101.*

Develop additional proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential to effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PTG 201 Intermediate Portuguese I**

*Prerequisite: C or better in PTG 102.*

Systematic review, expansion, and synthesis of the four skill areas. This course will enhance communication skills by providing a thorough review of fundamentals of grammar through real-life language use, reading, and composition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PTG 202 Intermediate Portuguese II**

*Prerequisite: C or better in PTG 201.*

Continued development of the four skills areas through conversation, composition, and reading as a means to access culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PTG 297 Special Topics in Portuguese**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Portuguese studies, including travel courses to Portuguese-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Russian (RUS) courses

**RUS 101 Elementary Russian I**

Essentials of grammar through aural-oral practice, dictation, reading, and writing. Course conducted in Russian as far as practicable.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RUS 102 Elementary Russian II**

*Prerequisite: C or better in RUS 101.*

Continuation of RUS 101.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RUS 201 Intermediate Russian I**

*Prerequisite: C or better in RUS 102.*

Continuation of RUS 102 with emphasis on reading, conversation, and an introduction to Russian History and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RUS 202 Intermediate Russian II**

*Prerequisite: C or better in RUS 201.*

Continuation of RUS 201 with emphasis on reading, conversation, history, and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RUS 297 Special Topics in Russian**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Russian studies, including travel-courses to Russian speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RUS 498 Seminar Course in Russian**

*Prerequisite: permission of instructor and department head.*

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Spanish (SPN) courses

**SPN 101 Elementary Spanish I**

Develop proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 102 Elementary Spanish II**

*Prerequisite: C or better in SPN 101.*

Develop additional proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 201 Intermediate Spanish I**

*Prerequisite: C or better in SPN 102.*

Systematic review, expansion, and synthesis of the four skill areas. Communicative skills will be enhanced by providing a thorough review of fundamentals of grammar through real-life language use, reading and composition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 202 Intermediate Spanish II**

*Prerequisite: C or better in SPN 201.*

Continuation of the development of the four skills through conversation, composition and reading as a means to access culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 205 Spanish Proficiency Skills**

*Prerequisite: C or better in SPN 201.*

This course focuses on the development of formal and informal oral communication skills through oral practice in authentic contexts stressing extensive vocabulary development and cultural information relevant to the Spanish-speaking world. Native and heritage speakers (students who grew up in households where Spanish was frequently spoken) must enroll in the heritage language section of this course. For details, contact a Spanish section faculty member.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 297 Special Topics in Spanish**

*Prerequisite: permission of instructor and department head.*

Topics of selected interest in Spanish studies, including travel-courses to Spanish-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPN 300 Service Learning in Spanish**

*Prerequisite: 30 hours and concurrent registration in a Spanish course at the 202 level or above.*

This service component for the existing Spanish curriculum incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service providing instruction or other community service in the Springfield-area schools and other community groups. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SPN 310 Medical Spanish**

*Prerequisite: SPN 202.*

This course introduces students to Spanish terminology used in health care contexts. In addition to learning medical terminology, students practice and master basic concepts pertinent to communicating in Spanish with patients and health care providers. Students also practice straightforward medical interpreting scenarios.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPN 312 Spanish Composition**

*Prerequisite: SPN 202 or SPN 205.*

This course targets the development of composition skills, focusing on intensive grammar review, vocabulary building, and the discursive and stylistic elements of a variety of written genres. Several essays will be assigned to help students to develop into effective writers in Spanish. Native and heritage speakers (students who grew up in households where Spanish was frequently spoken) must enroll in the heritage language section of this course. For details, contact a Spanish section faculty member.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 314 Advanced Spanish Proficiency Skills**

*Prerequisite: SPN 205 and SPN 312.*

This course examines recent historical events and current popular trends and movements using multiple media sources (films, the Internet, magazines, songs, music, photographs and television) to better understand contemporary Hispanic/Spanish culture. The focus of the course is on the development of topics for conversational content, analysis, presentations and written essays in Spanish.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPN 320 Hispanic Cinema**

*Prerequisite: SPN 312.*

A survey of major, twentieth-century films produced in Spanish throughout the Spanish-speaking world. Course features a study of directors and works, technique of cinematography, film content and theme development, and analysis of Spanish-language usage and culture in selected films. The relationship between film and Spanish literature and art is also studied. Selected films are also viewed and studied over the course of the semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**SPN 324 Introduction to Spanish Linguistics**

*Prerequisite: SPN 312.*

Develops students' understanding of issues in Spanish linguistics by exploring such topics as phonetics and phonology, morphology and syntax, semantics, history of the language, and regional and social language variation. Variable content course. May be repeated once with different content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPN 325 Civilization of Spain**

*Prerequisite: SPN 312.*

Origin and development of Iberian culture; includes geography, history, philosophy and arts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPN 326 Civilization of Spanish America**

*Prerequisite: SPN 312.*

Origin and development of Spanish American culture; includes geography, history, philosophy, and the arts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPN 410 Translation**

*Prerequisite: SPN 312.*

Activities and exercises in oral and written translation focusing on career fields.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 415 Business and Professional Spanish**

*Prerequisite: SPN 312 or higher.*

Specialized and intensive training in Spanish as used in business and selected professions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPN 424 Advanced Topics in Spanish Linguistics**

*Prerequisite: SPN 324.*

Focuses on a particular linguistic aspect of the Spanish language, such as phonetics and phonology, historical linguistics, sociolinguistics, morphology, syntax, second language acquisition, bilingualism, and methodologies of teaching language. Variable content course. May be repeated once with different content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPN 450 Modern Peninsular Literature**

*Prerequisite: SPN 312.*

Selected works or authors from Modern Peninsular literature. May be repeated once with a different topic. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPN 460 Spanish American Literature**

*Prerequisite: SPN 312.*

Selected works or authors from Spanish American Literature. May be repeated once with a different topic. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPN 480 Directed Readings**

*Prerequisite: permission of instructor and department head.*

May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPN 495 Advanced Undergraduate Seminar in Spanish**

*Prerequisite: SPN 325 or SPN 326; and SPN 450 or SPN 460; or permission of instructor.*

Study of advanced topics relating to language and proficiency development or literary and cultural themes in Spanish or Hispanic cultures. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPN 510 Advanced Translation**

*Prerequisite: SPN 410.*

Builds on the translation and interpreting skills acquired in SPN 410. Students will be exposed to a variety of translation theories and methods and will increase their overall language proficiency as they gain further practical translation experience in a number of genres. May be taught concurrently with SPN 610. Cannot receive credit for both SPN 610 and SPN 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPN 610 Advanced Translation**

Builds on the translation and interpreting skills acquired in SPN 410. Students will be exposed to a variety of translation theories and methods and will increase their overall language proficiency as they gain further practical translation experience in a number of genres. May be taught concurrently with SPN 510. Cannot receive credit for both SPN 510 and SPN 610.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPN 725 Seminar in Hispanic Literature and Culture**

This course will enhance students' language proficiency and cultural competence through the interpretation and analysis of selected literary, philosophical, and cultural texts from the Hispanic tradition. Variable content course. May be repeated once with changed content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPN 735 Advanced Spanish Proficiency**

After an assessment of global language proficiency, students receive personalized guidance and selected periodic assessments to help them to strengthen their interpretive, interpersonal, and presentational skills in the target language. This course designation may also be used to grant credit for prior learning on the basis of established proficiency assessments.

**Credit hours:** 3-12
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

# Chinese

## Minor(s)

### Chinese

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work
Complete 18 hours in Chinese beyond CHI 101 and 102. Six hours from the following courses may also count toward this minor: ART 274(3), HST 380(3), HST 381(3), LLT 215(3-6), or PLS 545(3).

# Classics-Concentration in Ancient Greek

## Minor(s)

### Classics-Concentration in Ancient Greek

Bachelor of Arts
In consultation with advisor, complete 18 hours in Greek beyond courses 101 and 102 with six of those hours being 300-level or higher. LLT 121 or LLT 325 may be counted on this minor.

# Classics-Classical Humanities Concentration

## Minor(s)

### Classics-Classical Humanities Concentration

Bachelor of Arts
Bachelor of Science
Complete 15 hours from the following: HST 343(3), 597(3)*; LLT 121(3), 240(3), 321(3), 325(3), 326(3); LTN or GRK above 102; PHI 306(3)

**when applicable*

# Classics-Latin Concentration

## Major(s)

### Classics-Latin Concentration

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (32 hours)

1. Complete 32 hours beyond LTN 101 and 102 in consultation with advisor, including two hours of LTN 480. Either LLT 121 or LLT 321 and either LLT 326 or HST 343 may be counted as part of the 32 hours required for the Latin major.

2. MCL 499(0)

3. Public Affairs Capstone Experience will be fulfilled by completion of MCL 495(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Minor(s)

### Classics-Latin Concentration

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Nursing
Bachelor of Social Work

In consultation with advisor, complete 18 hours in Latin beyond courses 101 and 102.

# French

## Minor(s)

### French

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Nursing
Bachelor of Social Work
In consultation with advisor, complete 18 hours in French beyond courses 101 and 102.

### French

Bachelor of Science in Education (Non-Certifiable)
In consultation with advisor, complete 18 hours in French beyond courses 101 and 102 with six of those hours being 300-level or higher.

# German

## Minor(s)

### German

Bachelor of Arts
In consultation with advisor, complete 18 hours in German beyond courses 101 and 102.
Three hours of either LLT 225 or LLT 271 may be counted on this minor.

### German

Bachelor of Applied Science
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Nursing
Bachelor of Social Work
In consultation with advisor, complete 18 hours in German beyond courses 101 and 102.

### German

Bachelor of Science in Education (Non-Certifiable)
In consultation with advisor, complete 18 hours in German beyond courses 101 and 102 with six of those hours being 300-level or higher. Three hours of either LLT 225 or LLT 271 may be counted on this minor.

# Japanese

## Minor(s)

### Japanese

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work
Complete 18 hours in Japanese beyond JPN 101 and JPN 102. Six hours from the following courses may also count toward this minor: ANT 334(3), ART 274(3), LLT 215(3-6), or REL 357(3).

# Modern Language

## Major(s)

**Please note:**
Students interested in majoring in Chinese, French, German, and Spanish can still do so by choosing to concentrate on that language as part of the BS in Modern Language. See the department website for more information.

## Modern Language (non-comprehensive)

Bachelor of Science
Students pursuing the Bachelor of Science* in Modern Language (non-comprehensive) complete 33 hours of coursework in a single modern language and a minor. This flexible structure enables students to achieve advanced proficiency in at least one modern language, to understand the cultural factors that affect how members of other language communities view the world and express themselves, to analyze and interpret target-language texts and other cultural products, and to apply those skills and insights in a variety of professional and academic settings.

A. General Education Program and Requirements

B. Major Requirements (39 hours)

   a. MCL 200(3) or IDS 297(3)

   b. Complete 33 hours in coursework beyond the 102 level in a single modern language, as approved by an advisor (language courses at the 101 or 102 level may not be counted toward this major)

   c. Modern Language Capstone: MCL 495(3)

C. Minor Required (or second major). A minor chosen from within the Department of Modern and Classical Languages must be in a different language than the major.

D. General Baccalaureate Degree Requirements

* Students who wish to complete a Bachelor of Arts in a language may pursue an individualized major.

# Modern Language (comprehensive)

Bachelor of Science

Students pursuing the Bachelor of Science[1] in Modern Language complete 33 hours of coursework in a single modern language and an option relating to that language. This flexible structure enables students to achieve advanced proficiency in at least one modern language, to understand the cultural factors that affect how members of other language communities view the world and express themselves, to analyze and interpret target-language texts and other cultural products, and to apply those skills and insights in a variety of professional and academic settings.

A. General Education Program and Requirements

B. Major Requirements (61-76 hours)

1. Modern Language Core (39 hours):

    a. MCL 200(3) or IDS 297(3)

    b. Complete 33 hours in coursework beyond the 102 level in a single modern language, as approved by an advisor (language courses at the 101 or 102 level may not be counted toward this major)[2]

    c. Modern Language Capstone: MCL 495(3)

2. Complete one of the following options:

    a. **Second Language (24 hours):** Complete 24 hours in a second modern language or complete 12 hours beyond the 102 level in a second modern language and 12 hours in coursework related to that language or language family, as approved by an advisor

    b. **Translation (22 hours):** MCL 310(3); ENG 296(3); ENG 321(3); COM 360(3); BUS 397(3); CHI 410(3) and 415(3), or FRN 410(3) and 415(3), or GRM 410(3) and 415(3), or SPN 410(3) and 415(3); MCL 410(1)

    c. **Applied Business (24 hours):** BUS 135(3) and MGT 340(3); CHI 410(3) and 415(3), or FRN 410(3) and 415(3), or GRM 410(3) and 415(3), or SPN 410(3) and 415(3); and 12 hours of coursework related to a single business focus, industry, or profession, subject to approval from the Office of the Dean of the College of Business[3]

    d. **Teacher Certification (38 hours):** Complete the Professional Education Courses

and Competencies, including the Teaching Methods (MCL 413) and Supervised Teaching (MCL 493 and 496) courses, and all other applicable certification requirements. Refer to the Teacher Education Program section of catalog.

C. General Baccalaureate Degree Requirements

**Notes:**

[1] Students who wish to pursue a Bachelor of Arts in a language should review the catalog section on individualized majors. This option may be more attractive for students considering graduate studies or whose goals are better served by a Bachelor of Arts degree. Students should contact the Academic Assistance Office for detailed information and procedures early in their junior year.

[2] If a student pursues a minor in the Department of Modern and Classical Languages it must be in a different language than the major.

[3] Prerequisites may apply. Students may not apply more than 24 credit hours of College of Business coursework toward this option.

# Modern Language

## Major(s)

**Please note:**
Students interested in majoring in Chinese, French, German, and Spanish can still do so by choosing to concentrate on that language as part of the BS in Modern Language. See the department website for more information.

## Modern Language (non-comprehensive)

Bachelor of Science
Students pursuing the Bachelor of Science* in Modern Language (non-comprehensive) complete 33 hours of coursework in a single modern language and a minor. This flexible structure enables students to achieve advanced proficiency in at least one modern language, to understand the cultural factors that affect how members of other language communities view the world and express themselves, to analyze and interpret target-language texts and other cultural products, and to apply those skills and insights in a variety of professional and academic settings.

A. General Education Program and Requirements

B. Major Requirements (39 hours)

   a. MCL 200(3) or IDS 297(3)

   b. Complete 33 hours in coursework beyond the 102 level in a single modern language, as approved by an advisor (language courses at the 101 or 102 level may not be counted toward this major)

   c. Modern Language Capstone: MCL 495(3)

C. Minor Required (or second major). A minor chosen from within the Department of Modern and Classical Languages must be in a different language than the major.

D. General Baccalaureate Degree Requirements

* Students who wish to complete a Bachelor of Arts in a language may pursue an individualized major.

# Modern Language (comprehensive)

Bachelor of Science

Students pursuing the Bachelor of Science[1] in Modern Language complete 33 hours of coursework in a single modern language and an option relating to that language. This flexible structure enables students to achieve advanced proficiency in at least one modern language, to understand the cultural factors that affect how members of other language communities view the world and express themselves, to analyze and interpret target-language texts and other cultural products, and to apply those skills and insights in a variety of professional and academic settings.

A. General Education Program and Requirements

B. Major Requirements (61-76 hours)

1. Modern Language Core (39 hours):

    a. MCL 200(3) or IDS 297(3)

    b. Complete 33 hours in coursework beyond the 102 level in a single modern language, as approved by an advisor (language courses at the 101 or 102 level may not be counted toward this major)[2]

    c. Modern Language Capstone: MCL 495(3)

2. Complete one of the following options:

    a. **Second Language (24 hours):** Complete 24 hours in a second modern language or complete 12 hours beyond the 102 level in a second modern language and 12 hours in coursework related to that language or language family, as approved by an advisor

    b. **Translation (22 hours):** MCL 310(3); ENG 296(3); ENG 321(3); COM 360(3); BUS 397(3); CHI 410(3) and 415(3), or FRN 410(3) and 415(3), or GRM 410(3) and 415(3), or SPN 410(3) and 415(3); MCL 410(1)

    c. **Applied Business (24 hours):** BUS 135(3) and MGT 340(3); CHI 410(3) and 415(3), or FRN 410(3) and 415(3), or GRM 410(3) and 415(3), or SPN 410(3) and 415(3); and 12 hours of coursework related to a single business focus, industry, or profession, subject to approval from the Office of the Dean of the College of Business[3]

    d. **Teacher Certification (38 hours):** Complete the Professional Education Courses

and Competencies, including the Teaching Methods (MCL 413) and Supervised Teaching (MCL 493 and 496) courses, and all other applicable certification requirements. Refer to the Teacher Education Program section of catalog.

C. General Baccalaureate Degree Requirements

**Notes:**

[1] Students who wish to pursue a Bachelor of Arts in a language should review the catalog section on individualized majors. This option may be more attractive for students considering graduate studies or whose goals are better served by a Bachelor of Arts degree. Students should contact the Academic Assistance Office for detailed information and procedures early in their junior year.

[2] If a student pursues a minor in the Department of Modern and Classical Languages it must be in a different language than the major.

[3] Prerequisites may apply. Students may not apply more than 24 credit hours of College of Business coursework toward this option.

# Spanish

## Minor(s)

### Spanish

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Nursing
Bachelor of Social Work
In consultation with advisor, complete 18 hours in Spanish beyond courses 101 and 102.

### Spanish

Bachelor of Science in Education (Non-Certifiable)
In consultation with advisor, complete 18 hours in Spanish beyond courses 101 and 102 with six of those hours being 300-level or higher.

# Department of Music

## Programs

### Undergraduate

Music (BA, BS)

Music, Bachelor of (BMus)
*Options: Composition, Instrumental Performance, Jazz Performance, Keyboard Performance, Vocal Performance*

Music-Instrumental (BME)

Music-Vocal/Choral (BME)

Musical Theatre (BFA)

Music (Minor)

Music Composition (Minor)

Recording Arts (Minor)

### Graduate

Master of Music (MM)

## Accreditations

- National Association of Schools of Music – Music (BA, BS, MM); Music/Performance (BMus); Music/Composition (BMus); Music Education (BME); Musical Theatre (BFA)
- Missouri Department of Elementary and Secondary Education – Music Education (BME); Secondary Education/Music (MSEd)
- Council for the Accreditation of Educator Preparation – Music Education (BME); Secondary Education/Music (MSEd)

## Contact

**Department head**

Julie C. Combs, DMA

**Office**

Ellis Hall, Room 206

**Phone**

417-836-5648

# Admission and audition requirements

## Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area. This audition should take place during the semester prior to or during the first week of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

**Fax**

417-836-7665

**Email**

Music@missouristate.edu

**Website**

www.missouristate.edu/music

# Music Faculty

## Professors

Lisa R. Casey, DMA

Jeremy A. Chesman, DMA

Julie C. Combs, DMA

Randall P. Hamm, MM

David R. Hays, DMA

Jill L. Heyboer, DMA

Cynthia Green Libby, DMA

Amy F. Muchnick, DMA

Michael A. Murray, DMA

Michael F. Murray, DMA

James Parsons, PhD

Richard Todd Payne, DMA

Grant S. Peters, DMA

John S. Prescott, DMA

Allison M. Storochuk, DMA

Wei-Han Su, DMA

Chris A. Thompson, DMA

## Associate professors

J. Scott Cameron, DMA

## Assistant professors

Carol L. Chapman, DMA

Minju Choi, DMA

Anne Marie Daehn, DMA

Jason M. Hausback, DMA

Christopher M. Kelts, DMA

Cameron F. LaBarr, DMA

Donald Bradley Snow, DMA

John Zastoupil, DMA

## Instructors

Kyle J. Aho, MM

Martin T. Morrison, MM

Vicky L. Scott, MSEd

## Emeritus faculty

Lloyd G. Blakely, DMA

Michael R. Casey, MME

Peter F. Collins, DMA

Wynne Harrell, DMA

William W. Hartman, MA

Jerry W. Hoover, MM

Daniel S. Hellman, PhD

Andrew H. Homburg, DMA

Hye-Jung Hong, DMA

Paula K. Patterson, EdD

Johnnie W. Johnson, MM

Norma D. McClellan, PhD

Mollie Autry Molnar, DMA

Rose Mary Owens, PhD

Belva W. Prather, EdD

Robert C. Quebbeman, DMA

Robert M. Scott, MS

Guy B. Webb, DMA

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Music Courses

## Music (MUS) courses

**MUS 100 Music Fundamentals**

Rudiments of music (scales, key signatures, rhythms, intervals, notation) with their application within the context of music.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 101 Beginning Piano**

Group instruction for students who wish to explore music through the medium of piano. Classes are taught in an 18-unit Wurlitzer Electronic Piano Laboratory. Course content includes development of keyboard familiarity and technique, introduction to music reading, improvisation, repertory pieces, and rudiments of music theory. No previous piano is required. Does not apply toward a major or minor in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 103 Theory and Musicianship I**

*Prerequisite: MUS 100 or permission of department.*

Review and drill of music fundamentals; notation, clefs, intervals, scales, rhythm and meter; music terms; written and oral construction of triads and seventh chords; analysis and writing of four-part harmony; non-harmonic tones, cadences, figured bass. Sight singing and dictation of melodies and rhythms; intervals and chord quality identification; error detection.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**MUS 104 Theory and Musicianship II**

*Prerequisite: MUS 103.*

Four-part harmony incorporated all diatonic chords in all inversions; secondary dominant and secondary leading tone chords. Sight singing and dictation of melodies and rhythms; intervals and chord quality identification; error detection; dictation of four-part harmony.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MUS 107 Recital Attendance I**

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 108 Recital Attendance II**

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 119 Jazz Theory/Jazz Keyboard Skills**

*Prerequisite: MUS 103.*

The study of jazz theory and the practical application of functional jazz keyboard skills.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 131 String Techniques and Skills for the Music Educator**

Instruction in the basic skills of playing and teaching violin, viola, cello and bass in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to string instruction will be studied, and materials used in public school teaching will be examined and performed.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 133 Guitar for the Music Educator I**

Provides future music teachers with the working knowledge, experience and skills to use the guitar for accompanying music making as well as for teaching fretted instruments in school music classes and ensembles.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 135 Voice Class I**

Fundamentals of voice production, breath management, resonance and diction. Voice diagnosis and application of vocal principles are given on an individual basis. Appropriate vocal exercises and song literature are employed for the development of a singing technique.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 136 Voice Class II**

*Prerequisite: MUS 135.*

Application of vocal principles is given on individual basis with the introduction of interpretation, style, and Italian diction.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 137 Piano Class I**

*Prerequisite: MUS 100 or MUS 103.*

Coordination exercises, major scales, harmonization with I, IV, V7 chords, transposition, reading, elementary repertoire.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 138 Piano Class II**

*Prerequisite: MUS 137.*

Minor scales, harmonization of major and minor melodies, transposition, reading, repertoire.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 141 Single Reed Techniques and Skills for the Music Educator**

Introduction in the basic skills and playing and teaching clarinet and saxophone in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to woodwind instruction will be studied, and materials used in public school teaching will be examined and performed.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 142 Flute and Double Reed Techniques and Skills for the Music Educator**

Introduction in the basic skills of playing and teaching flute and double reeds in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to woodwind instruction will be studied, and materials used in public school teaching will be examined and performed.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 144 High Brass Techniques and Skills for the Music Educator**

Introduction in the basic skills of playing and teaching trumpet and horn in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to brass instruction will be studied, and materials used in public school teaching will be examined and performed.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 145 Low Brass Techniques and Skills for the Music Educator**

Introduction in the basic skills of playing and teaching trombone and euphonium or tuba in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to brass instruction will be studied, and materials used in public school teaching will be examined and performed.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 146 Percussion Techniques and Skills for the Music Educator I**

Introduction in the basic skills of playing and teaching percussion instruments in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to percussion instruction will be studied, and materials used in public school teaching will be examined and performed.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 148 Introduction to Music Teaching**

This course is an orientation to the music education profession and to the teacher education program. Students explore roles and responsibilities of music teachers, complete field observations (minimum of 10 hours), develop a preliminary portfolio, and complete projects designed to examine the skills involved in teaching music. The field observation component requires the student to carry educational liability insurance and register with the Missouri Family Care Safety Registry (FCSR).

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MUS 149 String (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in violin, viola, violoncello, bass viola. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 151 Piano**

*Prerequisite: permission of instructor.*

Applied instruction in piano. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 152 Organ**

*Prerequisite: permission of instructor.*

Applied instruction in organ. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 153 Voice**

*Prerequisite: permission of instructor.*

Applied instruction in voice. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 155 Woodwind (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 156 Brass (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 157 Percussion**

*Prerequisite: permission of instructor.*

Applied instruction in percussion instruments. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 158 Guitar**

*Prerequisite: permission of instructor.*

Applied instruction in classical guitar. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 159 Harp**

*Prerequisite: permission of instructor.*

Applied instruction in harp. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 160 Carillon**

*Prerequisite: permission of instructor.*

Applied instruction in carillon. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 161 Men's Chorus**

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 162 Choral Union**

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 163 Women's Chorus**

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 168 Chorale**

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 172 Small Ensemble**

*Prerequisite: permission of instructor.*

Ensembles may be arranged each semester in piano, voice, strings, wind instruments and percussion to meet needs of participating students and the department. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 173 Chamber Orchestra**

*Prerequisite: permission of instructor.*

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MUS 174 Jazz Ensemble**

*Prerequisite: permission of instructor.*

Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 175 Band**

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 176 University Symphony**

The symphony performs music from the standard symphonic literature and cooperates with other ensembles to perform major choral and operatic works. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 177 Marching Band**

Marching band performs as a unit during football season. Band performs on campus, in area high schools, and in the stadia of other colleges. Auditions for placement and additional group work required. Band grants available to qualified students. Fees and assessments apply to course. May be repeated for credit. Only 8 hours of large ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 178 University/Community Band**

*Prerequisite: permission of instructor.*

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 192 Accompanying**

*Prerequisite: permission of instructor.*

Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 193 Opera Workshop**

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 200 Principles and General Methods of Music Education**

*Prerequisite: MUS 148.*

This serves as the gateway course to the teacher music education program. An overview of school organization, management techniques, goals, objectives, assessment, technology, curriculum preparation, unit planning, and diversity as a knowledge base for K-12 music teachers is developed through student projects. Students participate in a 30-hour field experience in area schools. The portfolio checkpoint required for admission to teacher education will occur during this course. A grade of "C" or better in this course is required to be admitted to the teacher education program. The field observation component requires the student to carry educational liability insurance, a TB test, and registration with the Missouri Family Care Safety Registry (FCSR).

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 203 Theory and Musicianship III**

*Prerequisite: MUS 104.*

Chromatic harmony including borrowed chords and augmented sixth chords; elementary and advanced modulation; smaller forms. Sight singing and dictation of melodies and rhythms; error detection; modulation to closely related keys; dictation and identification of chromatic harmony.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**MUS 204 Theory and Musicianship IV**

*Prerequisite: MUS 203.*

Advanced chromatic harmony; twentieth-century and contemporary techniques; larger forms. Sight singing and dictation of melodies and rhythms; error detection; harmonic dictation; diatonic modes and other non-tonal scales; improvisation.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MUS 207 Recital Attendance III**

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 208 Recital Attendance IV**

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 216 Introduction to Audio Techniques**

*Prerequisite: permission of instructor.*

The study and application of a wide variety of techniques used in the commercial music industry. Topic areas include sound and hearing, waveform theory, acoustics, microphones, multi-track recording, and basic usage of Musical Instrument Digital Interface (MIDI).

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 219 Jazz Improvisation I**

*Prerequisite: MUS 104.*

The study of beginning improvisation including chord/scale relationship, ii-V-I in all twelve major keys, blues, standards, and solo transcription.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MUS 220 Jazz Improvisation II**

*Prerequisite: MUS 219.*

The study of improvisation including chord/scale relationship, ii-V-I in all twelve minor keys, all forms of minor scales, modes, standards and solo transcription.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MUS 237 Piano Class III**

*Prerequisite: MUS 138.*

Chord patterns for harmonization using secondary chords, broken chords, instrumental and vocal scores, ensemble playing, repertoire.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 239 Introduction to World Music**

*General Education Course (Focus on the Arts).*

An exploration of what it means to be human through a comparison of various world musics and the associated recurring patterns of human behavior. Students will also develop a music vocabulary and listening skills through exposure to recordings, lectures and assignments about stylistic elements and analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 241 The Language of Music**

*Prerequisite: Open to all students except music majors.*

*General Education Course (Focus on Humanities).*

A study of the ways music creatively expresses self-understanding, cultural environment, and aesthetic values from ancient to modern times.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 249 String Instrument**

*Prerequisite: permission of instructor.*

Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 251 Piano**

*Prerequisite: permission of instructor.*

Applied instruction in piano. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 252 Organ**

*Prerequisite: permission of instructor.*

Applied instruction in organ. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 253 Voice**

*Prerequisite: permission of instructor.*

Applied instruction in voice. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 255 Woodwind (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 256 Brass (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 257 Percussion**

*Prerequisite: permission of instructor.*

Applied instruction in percussion instruments. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 258 Guitar**

*Prerequisite: permission of instructor.*

Applied instruction in classical guitar. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 259 Harp**

*Prerequisite: permission of instructor.*

Applied instruction in harp. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 260 Carillon**

*Prerequisite: permission of instructor.*

Applied instruction in carillon. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 261 Men's Chorus**

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 262 Choral Union**

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 263 Women's Chorus**

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 268 Chorale**

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 272 Small Ensemble**

*Prerequisite: permission of instructor.*

Ensembles may be arranged each semester in piano, voice, strings, wind instruments and percussion to meet needs of participating students and the department. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 273 Chamber Orchestra**

*Prerequisite: permission of instructor.*

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MUS 274 Jazz Ensemble**

*Prerequisite: permission of instructor.*

Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 275 Band**

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 276 University Symphony**

The symphony performs music from the standard symphonic literature and cooperates with other ensembles to perform major choral and operatic works. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 278 University/Community Band**

*Prerequisite: permission of instructor.*

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 280 Musical Theatre Workshop**

*Prerequisite: permission of instructor.*

Performance laboratory for students majoring in Musical Theatre. Preparation and performance of musical numbers from the musical theatre repertoire. Emphasis will be placed on the synthesis of performance techniques related to various musical styles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 292 Accompanying**

*Prerequisite: permission of instructor.*

Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 293 Opera Workshop**

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 294 Singing Diction I**

Proper pronunciation of English, Italian, and Latin; mastery of the International Phonetic Alphabet.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 295 Singing Diction II**

*Prerequisite: MUS 294.*

Proper pronunciation of German and French; continued application of the International Phonetic Alphabet.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 298 Upper Division Applied Status**

*Prerequisite: permission of instructor.*

Audition required by the end of the sophomore year of all music majors for placement into upper division Applied Music. Specific requirements may vary by Applied Division. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 301 Service Learning in Music**

*Prerequisite: 30 hours, concurrent registration in a Music course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Music to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefit an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 307 Recital Attendance V**

*Prerequisite: piano proficiency.*

Attendance at a combination of music major convocations, faculty recitals, and other recitals or concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 308 Recital Attendance VI**

*Prerequisite: piano proficiency.*

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 309 Introduction to Music and Healing**

*Prerequisite: ability to read music and permission of the instructor.*

Introduction to the history and current practices in the field of therapeutic music, as an integrated service-learning (ISL) class. Students will learn to play the portable folk harp, and provide 15 hours of therapeutic music at the bedsides of patients in local hospitals or hospices.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 313 16th Century Counterpoint**

*Prerequisite: MUS 203.*

Analysis and writing in the style of the vocal music of the late Renaissance as embodied in the sacred vocal works of Palestrina.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**MUS 314 18th Century Counterpoint**

*Prerequisite: MUS 203.*

Analysis and writing in the style of the instrumental music of the late Baroque as embodied in the keyboard works of J.S. Bach.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**MUS 315 Form and Analysis**

*Prerequisite: MUS 204.*

The study of formal aspects of music, ranging from smaller structural units to complete movements. Analysis of forms and styles from selected historical periods.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 316 Advanced Audio Recording Techniques**

*Prerequisite: MUS 216.*

Digital, advanced audio recording technology for radio, television, and video post production. Emphasis will be placed on the recording, editing, and mixdown of production projects. Topic areas include microphone placement, multi-track recording, digital theory, synchronization concepts, and the art of mixdown.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 319 Jazz Improvisation III**

*Prerequisite: MUS 220.*

The study of advanced improvisation including chord/scale relationship, continued study of ii-V-I in all twelve major and minor keys, diminished, whole-tone, and altered dominant scales. Standards and solo transcriptions will be analyzed and performed.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MUS 321 Conducting**

*Prerequisite: MUS 204.*

Fundamentals of conducting, with emphasis upon basic baton techniques, transposition and score reading.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 322 Conducting-Choral**

*Prerequisite: MUS 321.*

Conducting techniques specifically related to choral music.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 323 Conducting-Instrumental**

*Prerequisite: MUS 321.*

Conducting techniques specifically related to instrumental music.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 327 Composition Class**

*Prerequisite: MUS 103.*

Requires composition of short musical pieces using a variety of styles, and the analysis of works by 20th century composers.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 328 Instrumentation**

*Prerequisite: MUS 203.*

Techniques, arranging, scoring and transcribing for large and small ensembles; with attention given to the practical application in a teaching situation.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 340 Adaptive Music for Special Learners**

*Prerequisite: music major and admitted to teacher education program.*

Introduction to the teaching of music students with disabilities in a school setting. The course will provide an overview of characteristics and identification criteria for both individuals with disabilities and also the gifted. Legislation and process pertaining to special education will be addressed along with a focus on teaching individuals with diversity in the elementary, middle, and secondary educational setting.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 343 Musical Theatre History I**

Development of musical theatre in England, continental Europe and America from The Beggar's Opera, 1728 to Show Boat, 1927.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 344 Musical Theatre History II**

Development of musical theatre mainly in America from Show Boat, 1927 to present. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 345 Music in Western Culture and Society I**

The historical unfolding of western art music and the ways in which culture and society have played a central role in that development. Music from the Middle Ages to the Baroque will be studied from the perspective of the way in which it has been influenced and in turn influenced religion, politics, economics, and other social issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 346 Music in Western Culture and Society II**

The historical unfolding of western art music and the ways in which culture and society have played a central role in that development. Music from the Classical era to the Twentieth century will be studied from the perspective of the way in which it has been influenced and in turn influenced religion, politics, economics, and other social issues. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 347 History of Jazz in American Culture**

The development of jazz music in America. The historical unfolding of jazz art music and developmental advances from early 20th century to the present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 349 String (Instrument)**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 350 Harpsichord**

*Prerequisite: permission of instructor.*

Applied instruction in harpsichord. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 351 Piano**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in piano. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 352 Organ**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in organ. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 353 Voice**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in voice. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 355 Woodwind (Instrument)**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 356 Brass (Instrument)**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction available in French horn, trumpet, trombone, baritone, tuba. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 357 Percussion**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in percussion instruments. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 358 Guitar**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in classical guitar. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 359 Harp**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in harp. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 360 Carillon**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in carillon. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 361 Men's Chorus**

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 362 Choral Union**

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 363 Women's Chorus**

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 368 Chorale**

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 372 Small Ensemble**

*Prerequisite: permission of instructor.*

Ensembles may be arranged each semester in piano, voice, strings, wind instruments and percussion to meet needs of participating students and the department. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 373 Chamber Orchestra**

*Prerequisite: permission of instructor.*

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MUS 374 Jazz Ensemble**

*Prerequisite: permission of instructor.*

Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 375 Band**

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 376 University Symphony**

The symphony performs music from the standard symphonic literature and cooperates with other ensembles to perform major choral and operatic works. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 377 Marching Band**

Marching band performs as a unit during football season. Band performs on campus, in area high schools, and in the stadia of other colleges. Auditions for placement and additional group work required. Band grants available to qualified students. Fees and assessments apply to course. May be repeated for credit. Only 8 hours of large ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 378 University/Community Band**

*Prerequisite: permission of instructor.*

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 380 Musical Theatre Workshop**

*Prerequisite: permission of instructor.*

Performance laboratory for students majoring in Musical Theatre. Preparation and performance of musical numbers from the musical theatre repertoire. Emphasis will be placed on the synthesis of performance techniques related to various musical styles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 392 Accompanying**

*Prerequisite: permission of instructor.*

Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 393 Opera Workshop**

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 398 Junior Recital**

*Prerequisite: MUS 298.*

Preparation and public presentation of a solo recital in the student's major applied area. Required of all music majors on the Bachelor of Music-Performance degree. The student must pass a recital hearing before the performance can occur. Supplemental course fee.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 399 Special Topics in Music**

*Prerequisite: permission of instructor.*

Topic of interest determined by student and professor. May be repeated, as topics change, to maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MUS 407 Recital Attendance VII**

*Prerequisite: piano proficiency.*

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 410 Middle Childhood and Preadolescent Vocal Methods and Materials**

*Prerequisite: admission to Teacher Education Program, MUS 204 and MUS 322 and MUS 518.*

Principles and techniques for working with middle or junior high school voices and teaching music classes at the middle level with special attention paid to vocal development, voice change, and vocal health for pre-adolescents. Pedagogical analysis of choral/vocal music literature, lesson planning, and classroom management specific to this age group. Includes organization and administration of vocal music classes commonly found in programs at this level. Requires a 20-hour practicum at the middle level.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 411 Secondary Instrumental Methods and Materials**

*Prerequisite: admission to Teacher Education Program, MUS 204 and MUS 328 and MUS 323.*

Explores effective music methods and teaching strategies utilized in instrumental programs in middle or junior high schools and in high schools. Includes organization and administration of instrumental music classes commonly found in programs at those levels. Survey and analysis of instrumental music for large and small instrumental ensembles of all types and levels (K-12).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 416 Recording Arts Practicum**

Practice in the recording studio environment, creating CD-quality music and soundtracks. Instruction will be provided in session conduct as well as advanced operations in tracking, editing, and mixing.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 430 Music in Early Childhood and the Elementary School**

*Prerequisite: admission to Teacher Education Program.*

Methods of teaching music in early childhood and elementary school classrooms. A 20-hour practicum in elementary music classrooms is required as part of this course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MUS 449 String (Instrument)**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 451 Piano**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in piano. May be repeated for credit. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 452 Organ**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in organ. May be repeated for credit. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 453 Voice**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in voice. May be repeated for credit. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 455 Woodwind (Instrument)**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 456 Brass (Instrument)**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 457 Percussion**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in percussion instruments. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 458 Guitar**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in classical guitar. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 459 Harp**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in harp. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 460 Carillon**

*Prerequisite: permission of instructor; and admission to Music degree program.*

Applied instruction in carillon. May be repeated for credit. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 461 Men's Chorus**

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 462 Choral Union**

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 463 Women's Chorus**

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 468 Chorale**

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 472 Small Ensemble**

*Prerequisite: permission of instructor.*

Ensembles may be arranged each semester in piano, voice, strings, wind instruments and percussion to meet needs of participating students and the department. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 473 Chamber Orchestra**

*Prerequisite: permission of instructor.*

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MUS 474 Jazz Ensemble**

*Prerequisite: permission of instructor.*

Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 475 Band**

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 476 University Symphony**

The symphony performs music from the standard symphonic literature and cooperates with other ensembles to perform major choral and operatic works. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 478 University/Community Band**

*Prerequisite: permission of instructor.*

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 480 Musical Theatre Workshop**

*Prerequisite: permission of instructor.*

Performance laboratory for students majoring in Musical Theatre. Preparation and performance of musical numbers from the musical theatre repertoire. Emphasis will be placed on the synthesis of performance techniques related to various musical styles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 488 Seminar in Student Teaching**

*Prerequisite: all course work required for the Bachelor of Music Education completed, including the senior recital and piano proficiency; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA in Music of 3.00, with no grade lower than a "C"; minimum GPA of 3.00 in professional education; and concurrent enrollment in MUS 494 and MUS 496.*

A blended seminar focused on the analysis of diverse teaching contexts, student learning, and field experiences during student teaching. Topics will include: Theory into Practice, The Job Search, Diversity, the Teacher Work Sample, Assessment, and Classroom Management. Students attend (in person or on-line) weekly 2-hour seminars. Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 492 Accompanying**

*Prerequisite: permission of instructor.*

Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 493 Opera Workshop**

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 494 Supervised Teaching (Elementary Music K-6)**

*Prerequisite: all course work required for the Bachelor of Music Education completed, including the senior recital and piano proficiency; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA of 3.00 in music with no grade lower than a "C"; minimum GPA of 3.00 in professional education; current pre-professional liability insurance; completion of Transition Points 1 and 2; approval for supervised teaching; and concurrent enrollment in MUS 496 and MUS 488.*

Students will observe, assist and teach music classes under the direction of the cooperating teacher and University supervisor. Participation in extra-curricular activities and other duties is expected. An ongoing full-time commitment to student teaching is required to remain enrolled. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 496 Supervised Teaching (Secondary Music 7-12)**

*Prerequisite: all course work required for the Bachelor of Music Education completed, including the senior recital and piano proficiency; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA of 3.00 in music with no grade lower than a "C"; minimum GPA of 3.00 in professional education; current pre-professional liability insurance; completion of Transition Points 1 and 2; approval for supervised teaching; and concurrent enrollment in MUS 488 and MUS 494.*

Students will observe, assist and teach music classes under the direction of the cooperating teacher and University supervisor. Participation in extra-curricular activities and other duties is expected. An ongoing full-time commitment to student teaching is required to remain enrolled. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 498 Senior Recital**

*Prerequisite: MUS 298 and at least three semesters Applied Music courses numbered 300 or above with grades of "B" or better in the major performance area or in composition.*

Preparation and public presentation of a solo recital in the student's major applied area. The student must pass a recital hearing before the performance can occur. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 501 Music Education Workshop**

Variable topics related to music education instruction. Number of class hours determined by length of workshop and depth of topic. May be repeated for a maximum of 5 credit hours. May be taught concurrently with MUS 611. Cannot receive credit for both MUS 611 and MUS 501.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**MUS 503 Orff in the Classroom**

A study of music education using the approach developed by Carl Orff. Will include creative techniques including instruments, singing and movement. May be taught concurrently with MUS 613. Cannot receive credit for both MUS 613 and MUS 503.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 506 Band Administration and Materials**

Practicum and experience in all aspects of the successful band program. Includes organizational strategies and review of large and small ensemble literature for marching band, stage band, jazz band, and concert band. May be taught concurrently with MUS 606. Cannot receive credit for both MUS 606 and MUS 506.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall (even-numbered years)
Projected offerings

**MUS 510 Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels**

*Prerequisite: admission to Teacher Education Program; MUS 204 and MUS 321 and MUS 518.*

Explores effective music methods and teaching strategies utilized in vocal programs in high schools. Includes pedagogy of the adolescent voice. Best practices for teaching a wide variety of vocal ensembles including curricular and extra-curricular groups. Rehearsal and lesson planning for achievement of outcomes. Practical administration of organizations commonly found in most choral music programs. Survey and analysis of choral music literature for individuals, large and small ensembles including glee clubs, mixed choruses and choirs of all levels of performance. A 20-hour practicum with an area vocal music program will be part of the course content. May be taught concurrently with MUS 609. Cannot receive credit for both MUS 510 and MUS 609.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 512 Electronic Music**

*Prerequisite: permission of instructor.*

Exploration of theories and techniques of sound synthesis, sequencing, and digital audio through composition. Variable content course. May be repeated to a total of 6 hours when topic varies. May be taught concurrently with MUS 612. Cannot receive credit for both MUS 612 and MUS 512.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**MUS 516 Composition I**

*Prerequisite: permission of instructor.*

Elementary composition of pieces in a variety of forms. Emphasis on works for piano, solo instruments or voice. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 616. Cannot receive credit for both MUS 616 and MUS 516.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 517 Composition II**

*Prerequisite: permission of instructor.*

Intermediate level composition. Emphasis on writing for small groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 617. Cannot receive credit for both MUS 617 and MUS 517.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 518 Choral Arranging**

*Prerequisite: MUS 203.*

Techniques of arranging for small and large choral ensembles; with attention given to the practical application in a teaching situation. May be taught concurrently with MUS 618. Cannot receive credit for both MUS 618 and MUS 518.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 520 Composition III**

*Prerequisite: permission of instructor.*

Composing for larger groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 619. Cannot receive credit for both MUS 619 and MUS 520. Public Affairs Capstone Experience course.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 521 Composition IV**

*Prerequisite: permission of instructor.*

Advanced composition. A wide variety of mediums and styles are possible including electronic music of all types. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 621. Cannot receive credit for both MUS 621 and MUS 521. Public Affairs Capstone Experience course.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 523 Keyboard Literature**

Recommended Prerequisite: MUS 345 and MUS 346. Keyboard works from the 17th century to the present. May be taught concurrently with MUS 623. Cannot receive credit for both MUS 623 and MUS 523.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 524 Song and Opera Literature**

Italian arias, German Lieder; representative songs by French, English, and American composers; standard operatic repertoire in relation to the composer's style and the period of theater and music history from which they emanate. May be taught concurrently with MUS 624. Cannot receive credit for both MUS 624 and MUS 524.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**MUS 526 Advanced Arranging**

*Prerequisite: MUS 204.*

Independent study or three hour seminar per week. Techniques of arranging for various choral or instrumental groups, suited to the need of the individual student. May be repeated to a total of 6 hours when topic varies. Variable content course. May be taught concurrently with MUS 626. Cannot receive credit for both MUS 626 and MUS 526.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**MUS 529 Introduction to Commercial Music**

*Prerequisite: permission of instructor.*

A comprehensive survey of various aspects of music associated with the entertainment industry. Students will be exposed to a wide variety of topics including song and advertising jingle writing, scoring for film and video, negotiating contracts, and dealing with music publishers. May be taught concurrently with MUS 629. Cannot receive credit for both MUS 629 and MUS 529.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 530 Vocal Pedagogy and Materials**

Understanding the basic principles of voice production and their application to the training of singers. A comparative study of different pedagogical approaches to voice training. Including a survey of materials needed in successful programs of choral and vocal education in secondary schools for all levels of performance. May be taught concurrently with MUS 630. Cannot receive credit for both MUS 630 and MUS 530.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**MUS 538 Survey of Pedagogical Methods**

A study of methods of teaching applied music. May be taught concurrently with MUS 658. Cannot receive credit for both MUS 658 and MUS 538.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 539 String Pedagogy and Instrumental Literature and Materials for Elementary and Secondary Levels**

*Prerequisite: permission of instructor.*

Students will explore all aspects of orchestra and string programs for elementary and secondary education. Literature appropriate for beginning and advanced levels in school string programs will be addressed. May be taught concurrently with MUS 659. Cannot receive credit for both MUS 659 and MUS 539.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 543 Music of the Renaissance**

*Prerequisite: MUS 345.*

A comprehensive study of Western music from the Franco-Netherlands composers to Monteverdi (c. 1450 to 1600). May be taught concurrently with MUS 683. Cannot receive credit for both MUS 683 and MUS 543.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 544 Music of the Baroque Era**

*Prerequisite: MUS 345.*

A comprehensive study of Western music from monody to J.S. Bach and Handel (c. 1600 to 1750). May be taught concurrently with MUS 684. Cannot receive credit for both MUS 684 and MUS 544.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 545 Music of the Classical Era**

*Prerequisite: MUS 346.*

A comprehensive study of Western music from pre-classicism to Beethoven (c. 1750 to 1810). May be taught concurrently with MUS 685. Cannot receive credit for both MUS 685 and MUS 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 546 Music of the Romantic Era**

*Prerequisite: MUS 346.*

A comprehensive study of Western music from Beethoven to the post-romantic composers (c. 1800 to 1900). May be taught concurrently with MUS 686. Cannot receive credit for both MUS 686 and MUS 546.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 547 Music Since 1900**

*Prerequisite: MUS 346.*

A comprehensive study of Western music from 1900 to the present. May be taught concurrently with MUS 687. Cannot receive credit for both MUS 687 and MUS 547.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 548 Choral Literature**

Choral literature from the Renaissance through the 20th Century. May be taught concurrently with MUS 688. Cannot receive credit for both MUS 688 and MUS 548.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 561 Men's Chorus**

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 563 Women's Chorus**

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 580 Instrumental Conducting**

*Prerequisite: MUS 323.*

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 670. Cannot receive credit for both MUS 670 and MUS 580. May be repeated for variable credit hours up to a total of 12.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**MUS 581 Choral Conducting**

*Prerequisite: MUS 322.*

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development, and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 671. Cannot receive credit for both MUS 671 and MUS 581. May be repeated for variable credit hours up to a total of 12.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**MUS 599 Special Topics in Music**

*Prerequisite: permission of instructor.*

Topic of interest determined by student and professor. May be repeated, as topics change, to a maximum of 6 hours. Variable content course. May be taught concurrently with MUS 689. Cannot receive credit for both MUS 689 and MUS 599.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MUS 606 Band Administration and Materials**

Practicum and experience in all aspects of the successful band program. Includes organizational strategies and review of large and small ensemble literature for marching band, stage band, jazz band, and concert band. May be taught concurrently with MUS 506. Cannot receive credit for both MUS 506 and MUS 606.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall (even-numbered years)
Projected offerings

**MUS 609 Choral Literature and Materials for Secondary Levels**

Survey and analysis of choral music for large and small ensembles including glee clubs, mixed choruses, and choirs of all levels of performance (7-12 grade). May be taught concurrently with MUS 510. Cannot receive credit for both MUS 510 and MUS 609.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 611 Music Education Workshop**

Variable topics related to music education instruction. Number of credit hours determined by length of workshop and depth of topic. May be repeated for a maximum of five hours. May be taught concurrently with MUS 501. Cannot receive credit for both MUS 501 and MUS 611.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**MUS 612 Electronic Music**

*Prerequisite: permission of instructor.*

Exploration of theories and techniques of sound synthesis, sequencing, and digital audio through composition. Variable content course. May be repeated to a total of 6 hours when topic varies. May be taught concurrently with MUS 512. Cannot receive credit for both MUS 512 and MUS 612.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**MUS 613 Orff in the Classroom**

A study of music education using the approach developed by Carl Orff. Will include creative techniques including instruments, singing, and movement. May be taught concurrently with MUS 503. Cannot receive credit for both MUS 503 and MUS 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 616 Composition I**

*Prerequisite: permission of instructor.*

Elementary composition of pieces in a variety of forms. Emphasis on works for piano, solo instruments, or voice. Adapted to meet the needs of the individual student. May be taught concurrently with MUS 516. Cannot receive credit for both MUS 516 and MUS 616.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 617 Composition II**

*Prerequisite: permission of instructor.*

Intermediate level composition. Emphasis on writing for small groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be taught concurrently with MUS 517. Cannot receive credit for both MUS 517 and MUS 617.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 618 Choral Arranging**

Techniques of arranging for small and large choral ensembles; with attention given to the practical application in a teaching situation. May be taught concurrently with MUS 518. Cannot receive credit for both MUS 518 and MUS 618.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MUS 619 Composition III**

*Prerequisite: permission of instructor.*

Composing for larger groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 520. Cannot receive credit for both MUS 520 and MUS 619.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 621 Composition IV**

*Prerequisite: permission of instructor.*

Advanced composition. A wide variety of mediums and styles are possible including electronic music of all types. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 521. Cannot receive credit for both MUS 521 and MUS 621.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 623 Keyboard Literature**

Keyboard works from the 17th century to the present. May be taught concurrently with MUS 523. Cannot receive credit for both MUS 523 and MUS 623.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 624 Song and Opera Literature**

Italian arias, German Lieder; representative songs by French, English, and American composers; standard operatic repertoire in relation to the composer's style and the period of theater and music history from which they emanate. May be taught concurrently with MUS 524. Cannot receive credit for both MUS 524 and MUS 624.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**MUS 626 Advanced Arranging**

*Prerequisite: permission of instructor.*

Independent study or three hour seminar per week. Techniques of arranging for various choral or instrumental groups, suited to the need of the individual student. May be repeated to a total of 6 hours when topic varies. Variable content course. May be taught concurrently with MUS 526. Cannot receive credit for both MUS 526 and MUS 626.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**MUS 629 Introduction to Commercial Music**

*Prerequisite: permission of instructor.*

A comprehensive survey of various aspects of music associated with the entertainment industry. Students will be exposed to a wide variety of topics including song and advertising jingle writing, scoring for film and video, negotiating contracts, and dealing with music publishers. May be taught concurrently with MUS 529. Cannot receive credit for both MUS 529 and MUS 629.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 630 Vocal Pedagogy and Materials**

Understanding the basic principles of voice production and their application to the training of singers. A comparative study of different pedagogical approaches to voice training. Including a survey of materials needed in successful programs of choral and vocal education in secondary schools for all levels of performance. May be taught concurrently with MUS 530. Cannot receive credit for both MUS 530 and MUS 630.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**MUS 649 String (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in violin, viola, violoncello, and bass viol. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 651 Piano**

*Prerequisite: permission of instructor.*

Applied instruction in piano. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 652 Organ**

*Prerequisite: permission of instructor.*

Applied instruction in organ. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 653 Voice**

*Prerequisite: permission of instructor.*

Applied instruction in voice. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 655 Woodwind**

*Prerequisite: permission of instructor.*

Applied instruction in flute, oboe, clarinet, bassoon, and saxophone. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 656 Brass**

*Prerequisite: permission of instructor.*

Applied instruction in trumpet, horn, trombone, euphonium and tuba. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 657 Percussion**

*Prerequisite: permission of instructor.*

Applied instruction on percussion instruments. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 658 Survey of Pedagogical Methods**

A study of methods of teaching applied music. May be taught concurrently with MUS 538. Cannot receive credit for both MUS 538 and MUS 658.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 659 String Pedagogy and Instrumental Literature and Materials for Elementary and Secondary Levels**

*Prerequisite: permission of instructor.*

Students will explore all aspects of orchestra and string programs for elementary and secondary education. Literature appropriate for beginning and advanced levels in school string programs will be addressed. May be taught concurrently with MUS 539. Cannot receive credit for both MUS 539 and MUS 659.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MUS 660 Carillon**

*Prerequisite: permission of instructor.*

Applied instruction in carillon. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 661 Men's Chorus**

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 663 Women's Chorus**

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 670 Instrumental Conducting Seminar**

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 580. Cannot receive credit for both MUS 670 and MUS 580. May be repeated for variable credit hours up to a total of 12.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 671 Choral Conducting Seminar**

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development, and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 581. Cannot receive credit for both MUS 671 and MUS 581. May be repeated for variable credit hours up to a total of 12.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 674 Jazz Ensemble**

A Laboratory course in instrumentation, materials, arranging, and organization of the jazz ensemble. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 675 Band**

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 678 University/Community Band**

Traditional style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 682 Piano Ensemble**

*Prerequisite: permission of instructor.*

The student will strengthen ensemble and rehearsal techniques through the study and performance of piano four-hand and duo literature. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 683 Music of the Renaissance**

A comprehensive study of Western music from the Franco-Netherlands composers to Monteverdi (c. 1450 to 1600). May be taught concurrently with MUS 543. Cannot receive credit for both MUS 543 and MUS 683.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 684 Music of the Baroque Era**

A comprehensive study of Western music from monody to J.S. Bach and Handel (c. 1600 to 1750). May be taught concurrently with MUS 544. Cannot receive credit for both MUS 544 and MUS 684.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 685 Music of the Classical Era**

A comprehensive study of Western music from pre-classicism to Beethoven (c. 1750 to 1810). May be taught concurrently with MUS 545. Cannot receive credit for both MUS 545 and MUS 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 686 Music of the Romantic Era**

A comprehensive study of Western music from Beethoven to the post-romantic composers (c. 1800 to 1900). May be taught concurrently with MUS 546. Cannot receive credit for both MUS 546 and MUS 686.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 687 Music Since 1900**

A comprehensive study of Western music from 1900 to the present. May be taught concurrently with MUS 547. Cannot receive credit for both MUS 547 and MUS 687.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 688 Choral Literature**

Choral literature from the Renaissance through the 20th Century. May be taught concurrently with MUS 548. Cannot receive credit for both MUS 548 and MUS 688.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 689 Special Topics in Music**

*Prerequisite: permission of instructor.*

Topic of interest determined by student and professor. May be repeated, as topics change, to a maximum of 6 hours. Variable content course. May be taught concurrently with MUS 599. Cannot receive credit for both MUS 599 and MUS 689.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MUS 700 Introduction to Graduate Study in Music**

General introduction to graduate curriculum; planning the program; formal writing style; sources used in research; study of methods in research. Required of all degree candidates.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MUS 701 Music Education Curriculum**

An examination of trends in elementary, middle, and secondary music education; evaluation of selected materials and techniques; and special projects in planning for change in music education curriculum.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 702 Elementary Music Education**

Study of problems in planning a music program to encourage children's aesthetic enjoyment of music; teaching principles and methods for guided learning through creative discovery; use of instructional media for providing such experiences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**MUS 707 Psychology of Music**

Adapted to the view of the music educator. Emphasis is placed upon the physics of sound, psychology of performances and teaching, and the principles of listening.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 708 Contemporary Music Education**

A study of current trends and contemporary issues relevant to education and/or music education, as identified from various sources, and what impact they may or may not have on music education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 715 Advanced Composition**

*Prerequisite: permission of instructor.*

Private compositional study for graduate students. Variable content course. May be repeated to a total of 9 hours when topic varies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 720 Directed Study in Music Education**

*Prerequisite: permission of instructor.*

Individual study and research on projects approved by Music Education faculty; individual conferences with assigned faculty members; oral report, and a document at conclusion of semester. May be repeated to 3 hrs.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 725 History and Philosophy of Music Education**

History of educational philosophies and objectives.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 727 Seminar: Music Theory**

A study of various aspects of music theory, including analysis and pedagogy, researched from primary and secondary sources from the medieval period through the present. May be repeated to a total of 6 hours when topic varies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**MUS 728 Pedagogy of Music Theory**

Techniques of teaching harmony and ear training as well as other theoretical aspects of music to high school and college music students.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**MUS 738 Survey of Pre-College Repertoire**

*Prerequisite: MUS 538 or MUS 658.*

An examination of appropriate repertoire from the Baroque, Classical, Romantic, and 20th Century style periods for beginner, intermediate, and advanced pre-college students.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**MUS 739 Pedagogy Practicum I**

*Prerequisite: MUS 738.*

A course consisting of three components: class meetings for the discussion of teaching techniques, observation of the teaching of experienced teachers, supervised student teaching.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MUS 740 Pedagogy Practicum II**

*Prerequisite: MUS 739.*

Private teaching of a prescribed number of pre-college students of various levels of advancement under guidance of pedagogy instructor. Pedagogy students must present assigned pre-college students in an end of semester recital.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**MUS 744 Directed Study in Music Theory**

*Prerequisite: permission of instructor.*

Individual study on approved projects; individual conferences with assigned faculty member. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 745 Directed Study in Music History and Literature**

*Prerequisite: permission of instructor.*

Advanced study in special topics of music history and literature. May be repeated to a total of 3 hours when topic varies. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MUS 746 Seminar: Symphonic Literature**

A survey of the repertoire for orchestras of varying sizes and ability levels. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 747 Seminar: Wind Literature**

A survey of the repertoire for wind groups of various sizes and ability levels. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 748 Seminar: Choral Literature**

A survey of the repertoire for choral groups of various sizes and ability levels. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 749 String (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in violin, viola, violoncello, and bass viola. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 751 Piano**

*Prerequisite: permission of instructor.*

Applied instruction in piano. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 752 Organ**

*Prerequisite: permission of instructor.*

Applied instruction in organ. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 753 Voice**

*Prerequisite: permission of instructor.*

Applied instruction in voice. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 755 Woodwind (Instrument)**

*Prerequisite: permission of instructor.*

Applied instruction available in flute, oboe, clarinet, bassoon, and saxophone. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 756 Brass**

*Prerequisite: permission of instructor.*

Applied instruction available in trumpet, French horn, trombone, euphonium and tuba. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 757 Percussion**

*Prerequisite: permission of instructor.*

Applied instruction on percussion instruments. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 760 Carillon**

*Prerequisite: permission of instructor.*

Applied instruction in carillon. May be repeated for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MUS 762 Choral Union**

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 768 Chorale**

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 772 Small Ensembles**

Ensembles may be arranged each semester in the fields of piano, voice, strings, wind instruments, and percussion to meet the needs of participating students and the department. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 773 Chamber Orchestra**

*Prerequisite: permission of instructor.*

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**MUS 774 Jazz Ensemble**

A laboratory course in instrumentation, materials, arranging, and organization of the jazz ensemble. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 775 Band**

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 776 University Symphony**

Symphony performs and reads music from standard orchestral literature and accompanies opera productions. Open to all university orchestral players by audition. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 778 University/Community Band**

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 780 Practicum in Advanced Conducting**

*Prerequisite: permission of instructor.*

A study of techniques needed to project the conductor's concept in rehearsal and performance. Participation in rehearsals under the supervision of the instructor. May involve conducting in public performance.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MUS 781 Score Reading and Analysis**

Analysis of scores and its application to conducting. Development of skills in reading clefs and transpositions. Variable content course. May be repeated to a total of 6 hours when topic varies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 790 Research Project**

Research in the student's major area of concentration, culminating in a written document. Topic to be chosen through consultation with the student's major advisor. May be repeated for credit.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MUS 792 Accompanying**

*Prerequisite: permission of instructor.*

Development of skills in accompanying for pianists.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 793 Opera Workshop**

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MUS 797 Directed Study in Pedagogy**

Advanced study in special topics in pedagogy. Variable content course. May be repeated to a total of 3 hours when topic varies.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MUS 798 Graduate Recital**

Fulfills half of the final project requirement for concentrations in performance, pedagogy, and conducting.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MUS 799 Thesis**

*Prerequisite: permission of instructor.*

Selection of thesis topic, research or compositional techniques to be employed, compilation of bibliography, guidance of compilation and interpretation of data; organization and writing of study or writing of composition and description including program notes.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

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# Music

## Major(s)

## Music (Non-Comprehensive)

Bachelor of Arts

### Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area. This audition should take place during the semester prior to or during the first week of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

### Program requirements

A. General Education Program and Requirements

B. Major Requirements (38 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.

1. Basic Theory (9 hours): MUS 103(3), 104(3), 203(3)

2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)

3. Applied Music (6 hours) to be selected from class and/or private instruction. At least four

hours must be in private instruction in the major performance area.

4. Performing Ensemble electives (4 hours)
5. Additional electives (10 hours) selected in consultation with the advisor. Must include at least 7 hours of upper division courses.
6. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), and 407(0)
7. Pass Piano Proficiency Examination
8. Upper Division Applied Status: MUS 298(0)
9. Public Affairs Capstone Experience will be fulfilled by completion of MUS 346(3).

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the major.

D. Minor Required (or second major)

E. Specific Bachelor of Arts Degree Requirements

F. General Baccalaureate Degree Requirements

## Music (Non-Comprehensive)

Bachelor of Science

**Admission and audition requirements**

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area. This audition should take place during the semester prior to or during the first week of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a

combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

## Program requirements

A. General Education Program and Requirements

B. Major Requirements (38 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.

1. Basic Theory (9 hours): MUS 103(3), 104(3), 203(3)
2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
3. Applied Music (6 hours) to be selected from class and/or private instruction. At least four hours must be in private instruction in the major performance area.
4. Performing Ensemble electives (4 hours)
5. Additional electives (10 hours) selected in consultation with the advisor. Must include at least 7 hours of upper division courses.
6. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), and 407(0)
7. Pass Piano Proficiency Examination
8. Upper Division Applied Status: MUS 298(0)
9. Public Affairs Capstone Experience will be fulfilled by completion of MUS 346(3).

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the major.

D. Minor Required (or second major)

E. General Baccalaureate Degree Requirements

## Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

## Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798.

## Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 261, 262, 263, 268, 272, 273, 274, 275, 276, 278, 280, 292, 293, 361, 362, 363, 368, 372, 373, 374, 375, 376, 378, 380, 392, 393, 461, 462, 463, 468, 472, 473, 474, 475, 476, 478, 480, 492, 493, 561, 563.

## Diploma in Applied Music

A diploma recital may be given by Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education majors. Based on excellence in performance, this departmental diploma is granted upon recommendation of the Department of Music. It is not granted to those receiving the Bachelor of Music degree since excellence in performance is evident in the awarding of this degree. Contact the department for more information.

# Bachelor of Music

## Major(s)

## Music (Comprehensive)

Bachelor of Music

### Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area. This audition should take place during the semester prior to or during the first week of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

### Program requirements

A. General Education Program and Requirements

B. Major Requirements (78-87 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.

1. Music Core Requirements (32 hours)

    a. Foreign Language (6 hours) select from: French, German, or Italian

    b. Basic Theory (12 hours): MUS 103(3), 104(3), 203(3), 204(3)

c. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)

d. Piano (3 hours-may be waived by examination): MUS 137(1), 138(1), 237(1)

e. Conducting (2 hours): MUS 321(2)

f. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), and 407(0)

g. Upper Division Applied Status: MUS 298(0)

2. Choose one of the following options:

a. **Composition** (52-53 hours)

1. Composition (15 hours): MUS 498(2) and 13 additional hours selected from: MUS 327(2), 516(2-4), 517(2-4), 520(2-4), 521(2-4)

2. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2), 524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)

3. Advanced Music Theory (11 hours): MUS 313(2), 314(2), 315(2), 328(2), 512(3)

4. Large Ensembles (8 hours) as determined by audition; full-time students shall be in a large ensemble each semester until graduation. Select from: MUS 161(1), 261(1), 361(1), 461(1), 561(1); MUS 162(1), 262(1), 362(1), 462(1); MUS 163(1), 263(1), 363(1), 463(1), 563(1); MUS 168(1), 268(1), 368(1), 468(1); MUS 175(1), 275(1), 375(1), 475(1); MUS 176(1), 276(1), 376(1), 476(1); MUS 192(1), 292(1), 392(1), 492(1)

5. Small Ensemble (1 hour) select from: MUS 172(1), 272(1), 372(1), 472(1); MUS 173(1), 273(1), 373(1), 473(1); MUS 174(1), 274(1), 374(1), 474(1)

6. Applied Music (12 hours)

a. Keyboard (4 hours) select from: MUS 137(1), 138(1), 151(1), 251(1), 351(1), 451(1)

b. Remaining hours in a single applied area (8 hours)

7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and MUS 520(2) or 521(2).

b. **Instrumental Performance** (46-47 hours)

1. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2),

524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)

2. Advanced Music Theory (6 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2)

3. Large Ensembles (8 hours) as determined by audition; full-time students shall be in an instrumental ensemble each semester until graduation. Select from: MUS 175(1), 275(1), 375(1), 475(1); MUS 176(1), 276(1), 376(1), 476(1)

4. Small Ensembles (4 hours) select from: MUS 172(1), 272(1), 372(1), 472(1); MUS 173(1), 273(1), 373(1), 473(1); MUS 174(1), 274(1), 374(1), 474(1)

5. Pedagogy (2 hours): MUS 538(2)

6. Applied Music (21 hours), must include MUS 398(2-4) and MUS 498(2-4)

7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours from MUS 449, 455, 456, 457, 458, 459, 460.

c. **Jazz Performance** (46-47 hours)
   1. Jazz Studies (14 hours)
      a. Jazz Theory/Jazz Keyboard Skills (2 hours): MUS 119(2)
      b. Jazz Improvisation (6 hours): MUS 219(2), 220(2), 319(2)
      c. Jazz History (3 hours): MUS 347(3)
      d. Jazz Arranging (3 hours): MUS 526(3) Jazz section only
   2. Advanced Music History (6 hours) select from: MUS 543(3), 544(3), 545(3), 546(3), 547(3)
   3. Advanced Music Theory (6-7 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2), 529(3)
   4. Large Ensemble-Jazz (4 hours) as determined by audition: Select from: MUS 174(1), 274(1), 374(1), 474(1)
   5. Small Ensemble-Jazz Symposium (6 hours) as determined by audition: Select from: MUS 172(1), 272(1), 372(1), 472(1)-Jazz section only
   6. Applied Music (10 hours), must include MUS 398(2-4) and MUS 498(2-4)

7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours from MUS 449, 451, 455, 456, 457, 458.

d. **Keyboard Performance** (46-47 hours)
   1. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2), 524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)

   2. Advanced Music Theory (6 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2)

   3. Large Ensembles (8 hours) as determined by audition; full-time students shall be in a large ensemble each semester until graduation. Select from: MUS 161(1), 261(1), 361(1), 461(1), 561(1); MUS 162(1), 262(1), 362(1), 462(1); MUS 163(1), 263(1), 363(1), 463(1), 563(1); MUS 168(1), 268(1), 368(1), 468(1); MUS 175(1), 275(1), 375(1), 475(1); MUS 176(1), 276(1), 376(1), 476(1); MUS 192(1), 292(1), 392(1), 492(1)

   4. Small Ensembles (4 hours) select from: MUS 172(1), 272(1), 372(1), 472(1); MUS 173(1), 273(1), 373(1), 473(1); MUS 174(1), 274(1), 374(1), 474(1). Keyboard majors may substitute up to three hours of Accompanying.

   5. Pedagogy (2 hours): MUS 538(2)

   6. Applied Music (21 hours). Complete one of the following.
      a. Primary Instrument-Piano
         1. 19 hours from MUS 151, 251, 351, 451, 398, 498. Must include MUS 398(2-4) and MUS 498(2-4)

         2. 2 hours from MUS 152, 252, 352, 452, 160, 260, 360, 460 (Organ or Carillon)

      b. Primary Instrument-Organ

         1. 19 hours from MUS 152, 252, 352, 452, 398, 498. Must include MUS 398(2-4) and MUS 498(2-4)

         2. 2 hours from MUS 151, 251, 351, 451, 160, 260, 360, 460 (Piano or Carillon)

      c. Primary Instrument-Carillon

         1. 19 hours from MUS 160, 260, 360, 460, 398, 498. Must include

MUS 398(2-4) and MUS 498(2-4)

2. 2 hours from MUS 151, 251, 351, 451, 152, 252, 352, 452 (Piano or Organ)

7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours from MUS 451 or 452 or 460.

e. **Vocal Performance** (54-55 hours)

1. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2), 524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)

2. Advanced Music Theory (6 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2)

3. Large Ensembles (8 hours) as determined by audition, full-time students shall be in one of the following choral ensembles each semester until graduation. Select from: MUS 161(1), 261(1), 361(1), 461(1), 561(1); MUS 162(1), 262(1), 362(1), 462(1); MUS 163(1), 263(1), 363(1), 463(1), 563(1); MUS 168(1), 268(1), 368(1), 468(1)

4. Small Ensembles (4 hours): MUS 172(1), 193(1), 272(1), 293(1), 372(1), 393(1), 472(1), 493(1)

5. Pedagogy (2 hours): MUS 530(2)

6. Applied Music (21 hours), must include MUS 398(2-4) and MUS 498(2-4)

7. Foreign Language (6 additional hours in a language other than that used in the Music Core) select from: French, German, Italian

8. Singing Diction I and II (2 hours): MUS 294(1) and 295(1)

9. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours of MUS 453.

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the major.

D. General Baccalaureate Degree Requirements

## Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

## Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798.

## Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 261, 262, 263, 268, 272, 273, 274, 275, 276, 278, 280, 292, 293, 361, 362, 363, 368, 372, 373, 374, 375, 376, 378, 380, 392, 393, 461, 462, 463, 468, 472, 473, 474, 475, 476, 478, 480, 492, 493, 561, 563.

# Music-Instrumental

## Major(s)

## Music-Instrumental (Comprehensive)

Bachelor of Music Education
(Certifiable grades K-12)

### Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area. This audition should take place during the semester prior to or during the first week of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

### Admission to Teacher Education Program

Application to Teacher Education Program is automatic upon completion of MUS 200 and is contingent upon completion of requirements. Admission to the program is required before students are allowed to enroll in additional courses in the professional education component. The criteria below are used to determine admission to the Teacher Education Program

1. Completion of 45 credit hours.

2. Combined GPA (Missouri State and transfer) of 2.75 or higher
3. Combined GPA (Missouri State and transfer) of 3.00 or higher in the major requirements (music content)
4. Piano proficiency passed
5. Completion of COM 115, MUS 148, and MUS 200 with a grade of “C” or higher and MUS 298 with a grade of “P”
6. Passing scores on all four sub-sets of the Missouri General Education Assessment (MoGEA). Refer to the MoGEA website for details.
7. Completion of Transition Point One.
8. Approval of the Educator Preparation Provider Council

### Program requirements

All students must be admitted to the Teacher Education Program and to Supervised Teaching in order to earn this degree. The curriculum for music education leads to the degree of Bachelor of Music Education and carries with it an Initial Professional Certificate (IPC) to teach in the state of Missouri.

A. General Education Program and Requirements
B. Major Requirements (64-65 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
    1. Music Theory (14 hours): MUS 103(3), 104(3), 203(3), 204(3), 315(2)
    2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
    3. Conducting (4 hours): MUS 321(2), 323(2)
    4. Secondary Instruments (7 hours): MUS 131(1), 133(1), 141(1), 142(1), 144(1), 145(1), 146(1)
    5. Music Education Elective (1-2 hours): Select from: MUS 135(1), 136(1), 216(2), 219(2), 327(2)
    6. Specialization (3 hours): MUS 506(3) or 539(3)
    7. Piano (3 hours – may be waived by examination): MUS 137(1), 138(1), 237(1)

8. Instrumental Arranging (2 hours): MUS 328(2)
9. Applied Music (14 hours): must include MUS 498(2-4)
10. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), 407(0)
11. Upper Division Applied Status: MUS 298(0)
12. Large Ensemble (7 hours): As determined by audition, full-time students shall be in one of the following instrumental ensembles, each semester except the supervised teaching semester, until graduation: MUS 174(1), 274(1), 374(1), 474(1); MUS 175(1), 275(1), 375(1), 475(1); MUS 176(1), 276(1), 376(1), 476(1); MUS 177(1), 377(1). Applied keyboard majors may substitute up to three hours of Accompanying: MUS 192(1), 292(1), 392(1), 492(1). All Brass, Woodwind, Percussion, Strings (except guitar) must audition for and play in an assigned instrumental ensemble for seven semesters. Brass, woodwind and percussion students are also required to complete two semesters in Pride Marching Band.
13. Public Affairs Capstone Experience will be fulfilled by completion of MUS 488(2) and 496(5).

C. Professional Education Requirements (33 hours): Note: A grade of "C" or better in each course is required for state certification.
   1. Introduction to Music Teaching (1 hour): MUS 148(1)
   2. Principles and General Methods of Music Education (3 hours): MUS 200(3)
   3. Adaptive Music for Special Learners (2 hours): MUS 340(2)
   4. Introduction to Multicultural Education and Diversity (3 hours): EDC 345(3)
   5. Educational Psychology (3 hours): PSY 360(3)
   6. Reading and Writing in the Content Fields (3 hours): RDG 474(3)
   7. Secondary Instrumental Methods and Materials (3 hours): MUS 411(3)
   8. Music in Early Childhood and the Elementary School (3 hours): MUS 430(3)
   9. Student Teaching Seminar (2 hours): MUS 488(2)
   10. Supervised Teaching (10 hours): MUS 494(5), 496(5).

D. General Baccalaureate Degree Requirements

E. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Professional Education Requirements (section C)

F. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Major Requirements (section B)

G. Additionally State Board of Education certification rules require the following:

1. Completed degree in music education
2. Attainment of all Missouri Teacher Education Requirements in effect at the time of certification
3. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education. Refer to the MEGA website for details.

### Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

### Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798.

### Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 261, 262, 263, 268, 272, 273, 274, 275, 276, 278, 280, 292, 293, 361, 362, 363, 368, 372, 373, 374, 375, 376, 378, 380, 392, 393, 461, 462, 463, 468, 472, 473, 474, 475, 476, 478, 480, 492, 493, 561, 563.

### Diploma in Applied Music

A diploma recital may be given by Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education majors. Based on excellence in performance, this departmental diploma is granted upon recommendation of the Department of Music. It is not granted to those receiving the Bachelor of

Music degree since excellence in performance is evident in the awarding of this degree. Contact the department for more information.

## Vocal/Choral or Instrumental Optional Missouri Teacher Certification Endorsements (Certifiable grades K-12)

Bachelor of Music Education

A. Vocal/Choral Endorsement for Instrumental Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
    1. Applied Voice (4 hours) select from: MUS 153(1), 253(1), 353(1), 453(1) and/or Voice Class (2 hours) select from: MUS 135(1), 136(1)
    2. Singing Diction (2 hours): MUS 294(1), 295(1)
    3. Choral Conducting (2 hours): MUS 322(2)
    4. Choral Literature (3 hours): MUS 510(3)
    5. Choral Arranging (2 hours): MUS 518(2)
    6. Large Choral Ensemble (2 hours) select from: MUS 161(1), 261(1), 361(1), 461(1), 561(1); MUS 162(1), 262(1), 362(1), 462(1); MUS 163(1), 263(1), 363(1), 463(1), 563(1); MUS 168(1), 268(1), 368(1), 468(1)

B. Instrumental Endorsement for Vocal/Choral Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
    1. Applied Music-Instrumental (2 hours)
    2. Techniques (6 hours - may be waived by examination) select from: MUS 131(1), 133(1), 141(1), 142(1), 144(1), 145(1), 146(1)
    3. Instrumental Conducting (2 hours): MUS 323(2)
    4. Instrumentation (2 hours): MUS 328(2)
    5. Large Instrumental Ensemble (2 hours) select from: MUS 175(1), 275(1), 375(1), 475(1); MUS 176(1), 276(1), 376(1), 476(1)

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the endorsements.

# Music-Vocal/Choral

## Major(s)

## Music-Vocal/Choral (Comprehensive)

Bachelor of Music Education
(Certifiable grades K-12)

### Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area. This audition should take place during the semester prior to or during the first week of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

### Admission to Teacher Education Program

Application to Teacher Education Program is automatic upon completion of MUS 200 and is contingent upon completion of requirements. Admission to the program is required before students are allowed to enroll in additional courses in the professional education component. The criteria below are used to determine admission to the Teacher Education Program

1. Completion of 45 credit hours.

2. Combined GPA (Missouri State and transfer) of 2.75 or higher
3. Combined GPA (Missouri State and transfer) of 3.00 or higher in the major requirements (music content)
4. Piano proficiency passed
5. Completion of COM 115, MUS 148, and MUS 200 with a grade of “C” or higher and MUS 298 with a grade of “P”
6. Passing scores on all four sub-sets of the Missouri General Education Assessment (MoGEA). Refer to the MoGEA website for details.
7. Completion of Transition Point One.
8. Approval of the Educator Preparation Provider Council

### Program Requirements

All students must be admitted to the Teacher Education Program and to Supervised Teaching in order to earn this degree. The curriculum for music education leads to the degree of Bachelor of Music Education and carries with it an Initial Professional Certificate (IPC) to teach in the state of Missouri.

A. General Education Program and Requirements
B. Major Requirements (61 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
    1. Music Theory (14 hours): MUS 103(3), 104(3), 203(3), 204(3), 315(2)
    2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
    3. Conducting (4 hours): MUS 321(2), 322(2)
    4. Diction (2 hours): MUS 294(1), 295(1)
    5. Guitar for the Music Educator (1 hour): MUS 133(1)
    6. Vocal Pedagogy and Materials (3 hours): MUS 530(3)
    7. Music Education Elective (2 hours): Select from: MUS 131(1), 141(1), 142(1), 144(1), 145(1), 146(1), 216(2), 219(2), 327(2)
    8. Piano (3 hours – may be waived by examination): MUS 137(1), 138(1), 237(1)

9. Choral Arranging (2 hours): MUS 518(2)
10. Applied Music (14 hours): MUS 498(2), and 12 additional hours from MUS 153(2), 253(2), 353(2), 453(2)
11. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), 407(0)
12. Upper Division Applied Status: MUS 298(0)
13. Large Ensemble (7 hours): As determined by audition. Full-time students shall be in one of the following vocal ensembles, in their certification emphasis, each semester except the supervised teaching semester, until graduation (a minimum of seven hours must show on the completed transcript): MUS 161(1), 261(1), 361(1), 461(1), 561(1); MUS 162(1), 262(1), 362(1), 462(1); MUS 163(1), 263(1), 363(1), 463(1); MUS 168(1), 268(1), 368(1), 468(1)
14. Public Affairs Capstone Experience will be fulfilled by completion of MUS 488(2) and 496(5).

C. Professional Education Requirements (36 hours): Note: A grade of "C" or better in each course is required for state certification.

1. Introduction to Music Teaching (1 hour): MUS 148(1)
2. Principles and General Methods of Music Education (3 hours): MUS 200(3)
3. Adaptive Music for Special Learners (2 hours): MUS 340(2)
4. Introduction to Multicultural Education and Diversity (3 hours): EDC 345(3)
5. Educational Psychology (3 hours): PSY 360(3)
6. Reading and Writing in the Content Fields (3 hours): RDG 474(3)
7. Music in Early Childhood and the Elementary School (3 hours): MUS 430(3)
8. Middle Childhood and Preadolescent Vocal Methods and Material: Vocal (3 hours): MUS 410(3)
9. Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels: Vocal (3 hours): MUS 510(3)
10. Student Teaching Seminar (2 hours): MUS 488(2)

11. Supervised Teaching (10 hours): MUS 494(5), 496(5)

D. General Baccalaureate Degree Requirements

E. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Professional Education Requirements (section C)

F. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Major Requirements (section B)

G. Additionally State Board of Education certification rules require the following:

1. Completed degree in music education
2. Attainment of all Missouri Teacher Education Requirements in effect at the time of certification
3. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education

### Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

### Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798.

### Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 261, 262, 263, 268, 272, 273, 274, 275, 276, 278, 280, 292, 293, 361, 362, 363, 368, 372, 373, 374, 375, 376, 378, 380, 392, 393, 461, 462, 463, 468, 472, 473, 474, 475, 476, 478, 480, 492, 493, 561, 563.

### Diploma in Applied Music

A diploma recital may be given by Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education majors. Based on excellence in performance, this departmental diploma is granted upon recommendation of the Department of Music. It is not granted to those receiving the Bachelor of Music degree since excellence in performance is evident in the awarding of this degree. Contact the department for more information.

## Vocal/Choral or Instrumental Optional Missouri Teacher Certification Endorsements (Certifiable grades K-12)

Bachelor of Music Education

A. Vocal/Choral Endorsement for Instrumental Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
    1. Applied Voice (4 hours) select from: MUS 153(1), 253(1), 353(1), 453(1) and/or Voice Class (2 hours) select from: MUS 135(1), 136(1)
    2. Singing Diction (2 hours): MUS 294(1), 295(1)
    3. Choral Conducting (2 hours): MUS 322(2)
    4. Choral Literature (3 hours): MUS 510(3)
    5. Choral Arranging (2 hours): MUS 518(2)
    6. Large Choral Ensemble (2 hours) select from: MUS 161(1), 261(1), 361(1), 461(1), 561(1); MUS 162(1), 262(1), 362(1), 462(1); MUS 163(1), 263(1), 363(1), 463(1), 563(1); MUS 168(1), 268(1), 368(1), 468(1)

B. Instrumental Endorsement for Vocal/Choral Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
    1. Applied Music-Instrumental (2 hours)
    2. Techniques (6 hours - may be waived by examination) select from: MUS 131(1), 133(1), 141(1), 142(1), 144(1), 145(1), 146(1)
    3. Instrumental Conducting (2 hours): MUS 323(2)
    4. Instrumentation (2 hours): MUS 328(2)
    5. Large Instrumental Ensemble (2 hours) select from: MUS 175(1), 275(1), 375(1), 475(1); MUS 176(1), 276(1), 376(1), 476(1)

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses

counted toward the endorsements.

# Musical Theatre

## Major(s)

### Musical Theatre

Bachelor of Fine Arts
This major is offered in cooperation with the Department of Theatre and Dance.

The primary objective of this program shall be the development of the singer/actor/dancer who possesses a strong foundation in the requisite skills to pursue a career as a performing professional in musical theatre, including "book" musicals and variety productions.

#### Admission and audition requirements

In addition to the University's admission requirements, students are required to audition for acceptance to the BFA in Musical Theatre program prior to the first semester of course work in the major. Auditions and interviews for a place in the program are held on campus in February and March of each year. Specific information as to the date and the process is available through the Department of Theatre and Dance.

#### Performance reviews

In addition to the curricular requirements for the degree, students must successfully complete two performance reviews prior to graduation. These include a mid-program review after specified upper-level courses have been completed and an exit review given in one of the two semesters of the senior year.

#### Program requirements

A. General Education Program and Requirements

B. Major Requirements (86 hours)

1. Acting (14 hours): THE 121(3), 221(3), 321(3), 421(3), 451(2)

2. Applied Voice (11 hours): MUS 298(0), 498(2-4); and from MUS 153(1), 253(1), 353(1), and 453(1)

3. Stage Voice and Movement (9 hours): THE 122(3), 226(2), 328(3), 424(1)

4. History/analysis (9 hours): THE 130(3); MUS 343(3), 344(3)

5. Technology (10 hours): THE 150(2), 151(1), 224(1), and select 6 hours from: THE 250(2) and 251(1); THE 255(2) and 256(1); THE 260(2) and 261(1)

6. Musicianship (7 hours): MUS 103(3), 104(3), 137(1)

7. Dance (12 hours): DAN 125(2) or 225(2); DAN 130(2) or 230(2); DAN 131(2) or 216(3); DAN 146(2) or 245(3); and DAN 323(2). If necessary, select additional hours from DAN 225(2), 245(3), 345(3), or 348(2) to reach 12 hours in Dance.

8. Musical Theatre Practicum (8 hours) select from: MUS 193(1), 280(2), 380(2), 480(2); THE 495(1)

9. Electives (6 hours): choose from Theatre, Music, or Dance courses with approval of advisor

10. Public Affairs Capstone Experience will be fulfilled by completion of MUS 344(3) and 498(2-4).

C. GPA Graduation Requirement: A grade of "C" or better is required in all MUS courses counted toward the major. An overall GPA of 2.50 is required for all courses listed under major requirements.

D. General Baccalaureate Degree Requirements

# Music Minor

## Minor(s)

### Music

Bachelor of Arts
Bachelor of Science

A. Basic Theory (6 hours): MUS 103(3), 104(3)

B. Music History/Literature (6 hours): MUS 239(3), 346(3)

C. Applied Music (4 hours)

D. Elective Music Courses (2 hours) to bring total hours in Music to 18.

E. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the minor.

# Music Composition

## Minor(s)

### Music Composition

Bachelor of Arts
Bachelor of Music
Bachelor of Science

A. Basic Theory (6 hours): MUS 103(3), 104(3)

B. Advanced Theory (10 hours): MUS 203(3); 313(2) or 314(2); 328(2) or 518(2); 512(3) or 529(3)

C. Composition (6 hours): MUS 327(2), 516(2), 517(2)

D. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the minor.

# Recording Arts

## Minor(s)

### Recording Arts

Bachelor of Arts
Bachelor of Music
Bachelor of Science

A. Basic Theory (2-3 hours): MUS 100(2) or 103(3)

B. Piano Class (1 hour): MUS 137(1)

C. Audio Techniques (9 hours): MUS 216(3), 316(3), 416(3)

D. Advanced Theory (6 hours): MUS 512(3), 529(3)

E. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the minor.

# Department of Theatre and Dance

## Programs

### Undergraduate

Dance (BS, Minor)

Musical Theatre (BFA)

Speech and Theatre Education (BSEd)

Theatre (BA, BS, Minor)

Theatre and Dance (BFA)

## Accreditations

- National Association of Schools of Theatre-Commission on Accreditation – Musical Theatre (BFA); Speech and Theatre Education (BSEd); Theatre (BA, BS, BFA)
- Missouri Department of Elementary and Secondary Education – Speech and Theatre Education (BSEd)
- Council for the Accreditation of Educator Preparation – Speech and Theatre Education (BSEd)

## Program requirements and restrictions

### General education program restriction

Students seeking a Bachelor of Fine Arts degree within the Theatre and Dance department may not use courses toward both the major requirements and the general education requirements.

## Contact

**Interim department head**

Jeremy A. Chesman, DMA

**Office**

Craig Hall, Room 355

**Phone**

417-836-4400

**Fax**

417-836-4234

**Email**

TheatreandDance@missouristate.edu

## Bachelor of Arts fine arts restriction

Students seeking a Bachelor of Arts degree in Theatre may not use courses toward both the major and the Fine Arts requirement.

**Website**

theatreanddance.missouristate.edu

# General information

## Dance

Dance concerts are presented annually as part of the cultural attractions available to the community. A faculty choreographed dance concert is presented each spring semester. Student choreographed studio programs are presented each semester, and advanced student work is selected for a full-fledged concert. Theatre productions often include dance as an integral element. Inertia Dance Company is the resident student organization which gives dance lecture-demonstrations and concert works to schools and groups throughout the geographic area.

## Dramatic performance activities

The department affords students with theatre and dance talent an avenue of expression and provides the campus community with entertaining and worthwhile productions. Several directed productions, which may include plays, musicals, operas, children’s plays, or performance pieces, are presented each year. Through participation in these productions, students gain practical experience in design, in constructing and painting scenery, building costumes, applying makeup, light control technology and in acting in outstanding plays of all periods. Productions are presented in Coger Theatre, the intimate Balcony Theatre in Craig Hall, and Juanita K. Hammons Hall for Performing Arts.

One of the area’s favorite summer attractions is Tent Theatre. From June through July three shows, including musicals, are presented to local and regional audiences. This popular entertainment has been thrilling theatre-goers for over fifty years.

The In-School Players, a group of advanced students chosen from audition, prepares original theatrical material to tour to area elementary schools two afternoons a week through the late fall and spring semesters.

The Inertia Dance Company, a group of advanced students chosen from audition, performs for the public several times during the year at various venues.

# Theatre and Dance Faculty

## Professors

Ruth E. Barnes, MFA

Micheal S. Foster, MFA

Kurt G. Heinlein, PhD

Christopher J. Herr, PhD

Robert W. Little, MFA

Carol J. Maples, EdD

Cynthia J. Winstead, MFA

## Associate professors

Telory D. Arendell, PhD

Sara J. Brummel, MFA

Melanie Dreyer-Lude, MFA

Mark A. Putman, MFA

Robert W. Westenberg, MFA

Sarah J. Wiggin, MFA

## Assistant professors

Lisa Brescia, MFA

Sarah H. Wilcoxon, MFA

## Instructor

Melinda Robinson, MFA

## Emeritus faculty

Byrne D. Blackwood, PhD

Robert H. Bradley, PhD

Kathrine Brown, MFA

Sharon Ellis, MA

Rhythm McCarthy, MFA

John McElhaney, PhD

Chyrel Miller, MA

## Staff

## Managing director

- Mark M. Templeton, MA

## Technical director

- Christopher S. Depriest, MFA

## Scene shop supervisor

- Anna B. Hunt, BSEd

## Musical theatre musician

- Heather M. Luellen, BM

## Emeritus staff

- Ray Castrey, BM
- Gloria Reed

Missouri State

Office of the Registrar

Undergraduate Catalog



# Theatre and Dance Courses

## Dance (DAN) courses

**DAN 125 Dance Fundamentals: Tap Dance**

Fundamentals of tap dance, with an emphasis on steps, terminology and the rhythmic structure of tap dance.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**DAN 130 Dance Fundamentals: Ballet**

Fundamentals of classical ballet technique, with an emphasis on alignment and basic movement vocabulary. Designed for students with little or no experience. May be repeated to a maximum of 6 hours.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**DAN 131 Dance Fundamentals: Modern Dance**

Fundamentals of modern dance techniques, with an emphasis on basic movement principles and vocabulary. Designed for students with little or no dance experience. Variable content course. May be repeated for a maximum of 6 hours.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**DAN 146 Beginning Jazz Dance**

*Prerequisite: DAN 130 and DAN 131, or permission of instructor.*

Fundamentals of jazz dance technique and vocabulary. May be repeated to a total of 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**DAN 180 Introduction to the Dance**

*General Education Course (Focus on the Arts).*

Survey of dance from a historical retrospective through the creative process. Emphasis will be placed on historical multi-cultural and societal influences on dance. The approach will be from the viewpoint of the audience to help heighten awareness of and increase critical thinking in relationship to the artistic experience. Buying tickets to and attendance at local productions required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DAN 216 Elementary Modern Dance**

*Prerequisite: permission of instructor.*

Explores elements of modern dance technique. Designed for students with at least one year of formal dance training. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**DAN 225 Tap Dance II**

*Prerequisite: permission of instructor.*

Elementary tap dance technique and vocabulary. Variable content course. May be repeated to a total of 6 hours.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**DAN 230 Elementary Ballet**

*Prerequisite: permission of instructor.*

Elementary classical ballet technique and vocabulary. This course is designed for students with at least one to two years of formal and consistent ballet training. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**DAN 235 Men's Dance Technique I**

*Prerequisite: DAN 216 and DAN 230.*

Basic techniques for the male dancer. Emphasis will be on strength building and developing the male dancer's technique and style. Variable content course. May be repeated to a total of 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**DAN 245 Elementary Jazz Dance**

*Prerequisite: permission of instructor.*

Continues development of jazz dance technique and vocabulary. Elementary level technique designed for students with at least one year of formal dance training. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**DAN 316 Intermediate Modern Dance**

*Prerequisite: permission of instructor.*

Intermediate level modern dance technique. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**DAN 319 Contact Improvisation**

*Prerequisite: permission of instructor.*

Contemporary dance improvisation that explores sharing weight, rolling, lifting, flying and finding one's center. Dancers will explore and focus on specific relationships in partnering.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**DAN 320 Dance Composition I: Improvisation and Solo Forms**

*Prerequisite: permission of instructor.*

Contemporary dance improvisation techniques, and creative approaches to development of basic movement themes and simple and complex manipulations of those themes. The first course in the Dance Composition Series.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**DAN 323 Musical Theatre Dance Styles**

*Prerequisite: permission of instructor.*

Students will analyze and embody performance techniques as related to historical trends in choreography and staging for American Musical Theatre. A minimum of three production numbers featuring either original Broadway choreography or choreography devised by the instructor will be taught and performed during the semester.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**DAN 325 Tap Dance III**

*Prerequisite: permission of instructor.*

Continues development of intermediate level tap dance technique and vocabulary. Variable content course. May be repeated to a total of 3 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**DAN 330 Intermediate Ballet**

*Prerequisite: permission of instructor.*

Intermediate level ballet technique. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**DAN 335 Men's Dance Technique II**

*Prerequisite: DAN 235.*

Continued techniques for the male dancer. Emphasis will be on strength building and developing the male dancer's technique and style. Variable content course. May be repeated to a total of 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**DAN 345 Intermediate Jazz Dance**

*Prerequisite: permission of instructor.*

Intermediate level jazz dance techniques. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**DAN 348 Partnering**

*Prerequisite: permission of instructor.*

Basic and elementary techniques of classical and contemporary partnering. Variable content course. May be repeated to a total of 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**DAN 364 Applied Kinesiology for the Dancer**

*Prerequisite: BIO 101 and 111; or BIO 121; or BMS 110 and 111.*

The specific study of dance techniques through the principles of motion, muscle action and joint mechanics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**DAN 390 Service Learning in Dance**

*Prerequisite: 30 hours and concurrent registration in a DAN course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Dance to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**DAN 416 Advanced Modern Dance**

*Prerequisite: permission of instructor.*

Advanced level modern dance technique. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**DAN 420 Dance Composition II: Small Group Forms**

*Prerequisite: DAN 320.*

Choreographic techniques that explore creative approaches to the development and manipulation of movement themes. Emphasis on small group studies that explore space, time and energy.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**DAN 430 Advanced Ballet**

*Prerequisite: permission of instructor.*

Advanced level ballet technique. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**DAN 445 Advanced Jazz Dance**

*Prerequisite: permission of instructor.*

Advanced level jazz dance techniques. Variable content course. May be repeated to a total of 12 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**DAN 482 Senior Project in Dance**

*Prerequisite: permission of instructor and 90 hours.*

Public presentation of performance or paper to demonstrate the student's mastery of the skills received during the completion of the major. Required of all BS in Dance majors.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**DAN 492 Senior BFA Review**

*Prerequisite: permission of BFA coordinator.*

Public presentation of portfolio, project, or performance to demonstrate the student's mastery of the skills developed during the major. Required of all BFA Dance majors.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**DAN 496 Readings**

*Prerequisite: permission of dance area coordinator.*

Individual experimental or research studies in dance. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**DAN 497 Topics**

*Prerequisite: permission of instructor or course supervisor.*

Group creative or special topics in dance. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**DAN 499 Projects**

*Prerequisite: permission of dance area coordinator.*

Supervised individual creative projects in dance. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**DAN 520 Choreography and Production**

*Prerequisite: DAN 420 and THE 150.*

Choreographing and directing a large group composition that will culminate with a performance on stage. Students will explore aspects of staging a complete work that will include the creation of original theme, casting of performers, choices of accompaniment, and lighting and costume design. Management of technical, business and artistic procedures involved in producing and staging dance productions. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**DAN 530 Pointe**

*Prerequisite: permission of instructor.*

Pointe technique that focuses on stability, correct alignment of the feet and use of turn-out. At least one classical variation will be taught.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**DAN 552 Dance History Seminar**

*Prerequisite: 60 hours and DAN 180 and Writing II.*

Selected topics in the history of dance from the 20th century to the present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**DAN 565 Dance Pedagogy**

*Prerequisite: 45 hours and DAN 316 and DAN 330 and DAN 345.*

Overview of general theories and practices of teaching. This course investigates class content and various methodologies used to teach dance techniques and creative movement. Emphasis is placed on methods for teaching the beginning and elementary level student. Opportunities to develop and implement lesson plans, and to develop comprehensive training syllabi. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall (even-numbered years)
Projected offerings

**DAN 592 Performance**

*Prerequisite: permission of instructor.*

Performance laboratory for students in Dance. Focused study of dance repertory from a variety of genres. Emphasis will be placed on performance techniques as related to various styles. Variable content course. May be repeated to a total of 4 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

## Theatre (THE) courses

**THE 101 Introduction to Theatre and Drama Arts**

*General Education Course (Focus on the Arts).*

The creative processes of transforming drama to stage, film and television. A study of the collaborations and contributions that the various artists make to the process. Intended to increase the audience's ability to think critically about the artistic experience. Buying tickets to and attendance at local productions required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 109 Performance Studies**

Exploration of the social, cultural, and aesthetic aspects of performance through an examination of self and society. Course combines lecture, readings, and individual student performances of oral and literary texts. Course enrollment is limited and much one-on-one work takes place.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 121 Acting Studio I**

*Prerequisite: permission of instructor; and concurrent enrollment in THE 122; and open only to BFA Acting and Musical Theatre majors admitted through the audition process.*

Discovery and development of the actor's expressive behavior through improvisation.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**THE 122 The Tools of the Actor**

An introduction to the fundamental tools of the actor: physical awareness, vocal awareness, and ensemble collaboration. Buying tickets to and attendance at local performances required.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**THE 125 Voice and Movement for the Stage**

Exercises in physical and vocal awareness for the actor. Introductory material on anatomy, breathing, and articulation; care and maintenance of body and voice.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**THE 130 Introduction to Script Analysis**

Analysis of the script and its translation from page to performance through an examination of the relationships of directors, designers, performers, and audience in the rehearsal process and theatrical performance. Buying tickets to and attendance at local productions required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 150 Introduction to Theatre Technology**

An introduction to the working relationships of designers and basic principles of costuming, lighting, and stagecraft. Buying tickets to and attendance at local productions required.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 151 Introduction to Theatre Technology Lab**

*Prerequisite: THE 150 or concurrent enrollment.*

Practical application of the principles addressed in THE 150.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 195 Theatre Laboratory**

Supervised practical work in the theatre including both on and off stage work. Requires 50 laboratory hours; 25 must be in technical areas. May be repeated to a total of 4 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 205 Speech for the Elementary Classroom**

Speech activities in the elementary grades, correlating storytelling, choral reading, creative dramatics and speech correction.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 210 Writing for Theatre**

*Prerequisite: ENG 110 or equivalent and 30 hours.*

Study and practice of the discourse conventions of writing about dramatic literature and performance from the perspective of an educated generalist in the field. Students will hone skills of research, analysis, and argumentation in order to become more skillful theatre patrons, historians, and critics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 221 Acting Studio II**

*Prerequisite: THE 121.*

Emphasis on finding truth in performance through various acting techniques and physicalization of text. Application of play analysis to character study.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**THE 222 Acting Fundamentals**

Stage techniques, basics of characterization, scene study, and auditioning. Buying tickets to and attendance at local performances required. Cannot be counted toward a BFA in Musical Theatre.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 224 Stage Makeup I**

Laboratory course providing students with fundamentals of the art of two dimensional makeup.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 226 Intermediate Voice and Movement**

*Prerequisite: THE 122 and permission of instructor.*

Development of dynamic physical and vocal expression of text. Exercises in breaking habitual physical and vocal patterns which inhibit emotional expression.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**THE 228 Singing for the Actor**

*Prerequisite: permission of instructor; BFA Theatre/Acting option majors only; not open to Musical Theatre majors.*

Basic singing and music-reading techniques for actors, with approaches for building a singing repertoire.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**THE 250 Stagecraft and Construction I**

*Prerequisite: THE 150.*

Working illustrations, construction, rigging, painting, and shifting of scenic units.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 251 Stagecraft and Construction Lab**

*Prerequisite: concurrent enrollment in THE 250.*

Practical application of the principles addressed in THE 250.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 255 Lighting Design I**

*Prerequisite: THE 150.*

Introduction to lighting design with an emphasis upon practical application. Includes a study of electrical wiring, lighting instruments, color in light, and technical lighting crew work. Study of design includes script analysis, lighting plots, and support materials.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 256 Lighting Lab**

*Prerequisite: concurrent enrollment in THE 255.*

Practical application of the principles addressed in THE 255.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 260 Costume Construction I**

*Prerequisite: THE 150.*

Fundamentals of costuming for the stage. A study of fabrics and construction; basic cutting and sewing techniques; costume shop organization and stage management.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 261 Costume Construction Lab**

*Prerequisite: THE 260 or concurrent enrollment.*

Practical application of the principles addressed in THE 260.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 270 Drawing and Rendering for Theatre I**

A survey of drawing and the use of various media as applicable to theatrical design. Includes figure and perspective drawing techniques.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 271 Drawing and Rendering for Theatre II**

*Prerequisite: THE 270.*

A continuation of the study of drawing, including figure and perspective drawing techniques. The use of various color media as applicable to theatrical design.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 275 Drafting for the Stage**

*Prerequisite: THE 150.*

Basic drafting techniques and practices for theatrical applications. Study of tools, methods, and formulas used in generating designs and drawings.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**THE 280 Design Seminar Design Principles**

*Prerequisite: THE 150.*

Basic principles of design as these relate to the theatre, intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 281 Design Seminar-Lighting and Scenic Design Principles**

*Prerequisite: THE 150; and THE 270 or THE 271.*

Basic principles of lighting and scenic design as these relate to the theatre. Intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 292 BFA Review**

*Prerequisite: permission of area coordinator.*

Public presentation of a portfolio, a project, or a performance demonstrating the student's mastery of the skills received during the major.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 295 Production/Design/Stage Management Project**

*Prerequisite: permission of area coordinator.*

Technical or design or stage management assignment requiring an intermediate level of expertise and responsibility connected with a specific departmental production.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 306 Interrelated and Integrated Arts**

*Prerequisite: ELE 302.*

Theory, methodology, and activities for teaching the arts to children, from early childhood through Grade 6. A creative experiential approach, emphasizing how the four primary art forms (drama, movement, music, and art) relate to and enhance one another and facilitate the child's learning in other content areas. Cannot receive credit for both THE 306 and MUS 306.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**THE 321 Acting Studio III**

*Prerequisite: THE 221.*

Projects in advanced characterization. May be repeated up to 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**THE 323 Acting-Performance and Literature**

*Prerequisite: THE 221 or THE 222.*

Individual and group performance of plays, prose narrative and poetry.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**THE 324 Stage Makeup II**

*Prerequisite: THE 224.*

Laboratory course dealing with three-dimensional makeup. Emphasis on prosthetics of latex.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**THE 326 Advanced Voice for the Actor**

*Prerequisite: THE 226.*

Introduction to scansion and its application to performing classical material. Techniques for vocal stamina.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**THE 327 Advanced Movement for the Actor**

*Prerequisite: THE 226.*

Connections between characterization and physicalization in the actor's performance are explored. Designed for the student who wishes to develop bold, strong, and specific characterization-building skills.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**THE 328 Stage Combat**

*Prerequisite: THE 226.*

An introduction to the techniques and terminology used in the performance of stage choreographed combat. Emphasis is placed on physical safety, proper vocalization, movement and weapon control.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring, Fall (odd-numbered years)
Projected offerings

**THE 350 Stagecraft and Construction II**

*Prerequisite: THE 250 and THE 275.*

Study of advanced building techniques. Work with "non-conventional" materials. Explore uses of mechanical stage machinery. Plan and budget productions.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**THE 354 Stage Management**

*Prerequisite: THE 150.*

Development of a production book and understanding of all procedures used by a stage manager from the selection of a script to the final production. The role of the stage manager is discussed for both the professional and the non-professional theatre.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 380 Design Seminar-Costume and Sound Design Principles**

*Prerequisite: THE 150.*

Basic principles of costume and sound design as these relate to the theatre. Intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 381 Design Seminar-Collaborative Design Process**

*Prerequisite: THE 280 and THE 281 and THE 380.*

Collaboration as it relates to all areas of theatrical design. Intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**THE 382 Research and Concept Development**

Research and dramaturgy as these apply to previsualization, design, production, and concept development for the theatre and the performing arts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**THE 390 Service Learning in Theatre**

*Prerequisite: 30 hours and concurrent registration in a Theatre course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Theatre to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 392 BFA Review**

*Prerequisite: permission of area coordinator.*

Public presentation of a portfolio, a project, or a performance demonstrating the student's mastery of the skills received during the major.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 395 Production/Design/Stage Management Project**

*Prerequisite: permission of area coordinator.*

Technical or design or stage management assignment requiring an advanced level of expertise and responsibility connected with a specific departmental production. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 412 Structures and Styles in Classical Drama**

*Prerequisite: permission of instructor.*

Study and exploration of dramatic modes in period and stylistic material. Monologue and scenework exploring Greek, Restoration, Romantic, and other non-traditional styles.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**THE 417 Teaching of Speech and Theatre**

*Prerequisite: EDC 350, SPE 340, EDT 365, 12 hours in communication and 12 hours in theatre, and admitted to Teacher Education Program.*

Scope and objectives of the speech and theatre program in secondary schools; organization and administration of curricular and co-curricular programs; general instruction methodology. Completion of Checkpoint II for the Professional Portfolio is a component of this course. This course is recommended to be completed the fall semester before student teaching. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take THE 490 or THE 491. Cannot be taken Pass/Not Pass. Identical with COM 417. Cannot receive credit for both THE 417 and COM 417.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 421 Acting Studio IV**

*Prerequisite: THE 321.*

Advanced techniques and tutorial scene work from classic theatre literature of the late 19th and early 20th centuries. May be repeated up to 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**THE 422 Scene Study**

*Prerequisite: THE 321 or THE 323.*

Tutorial scene study focusing on acting tools necessary for the rehearsal process. May be repeated up to 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**THE 424 Dialects**

*Prerequisite: THE 421.*

An exploration of stage dialects and accents for the actor.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**THE 430 Directing I**

*Prerequisite: THE 130 and THE 150 and; either THE 121 or THE 222.*

Basic principles, skills and techniques underlying directing. Procedures in selecting, analyzing, casting and producing a play.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 451 Auditions**

*Prerequisite: THE 321.*

Audition techniques for performers; choice and preparation of audition materials, as well as construction of a resume, obtaining a useable photograph, information on agents, casting directors, casting notices, unions, and the development of a reliable network.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**THE 454 Scene Painting**

*Prerequisite: THE 270.*

Study of painting equipment tools, brushes, pigments, binders, and vehicles and their relationship to the surfaces to be painted. Instruction in basic painting techniques and texturing for the stage.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**THE 460 Costume Construction II**

*Prerequisite: THE 260.*

Costume construction techniques with emphasis on patterning, draping, tailoring, and more specialized sewing and fabric manipulation processes. Requires 45 hours of laboratory work.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**THE 482 Senior Project in Theatre**

*Prerequisite: permission of instructor and 90 hours.*

Public presentation of portfolio, project, performance, or paper to demonstrate the student's mastery of the skills received during the completion of the major. Required of all BA and BS in Theatre majors.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 490 Supervised Teaching (Secondary Speech and Theatre)**

*Prerequisite: THE 417; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in THE 491.*

Student observes, then teaches speech and theatre classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Identical with COM 490. Cannot receive credit for both THE 490 and COM 490. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 491 Supervised Teaching (Secondary Speech and Theatre)**

*Prerequisite: concurrent enrollment in THE 490.*

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Cannot receive credit for both THE 491 and COM 491. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 492 Senior BFA Project**

*Prerequisite: permission of area coordinator.*

Public presentation of portfolio, project, or performance to demonstrate the student's mastery of the skills received during the major. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 493 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 495 Theatre Practicum**

An administrative, instructional, or supervisory experience not available through class work. Student typically serves as a production aide to a faculty member, or assumes a faculty supervised leadership role. May be repeated to a total of 4 hours. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 496 Readings**

*Prerequisite: permission of department head.*

Individual, experimental or research studies in theatre and performance studies. May be repeated to a total of 9 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 497 Topics**

*Prerequisite: permission of department head.*

Group creative or special topics in theatre and performance studies. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 498 Advanced Actor Seminar**

*Prerequisite: THE 421 and permission of instructor.*

Lecture and laboratory experience for the actor about to enter the professional arena.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**THE 499 Projects**

*Prerequisite: permission of department head.*

Supervised individual creative projects in theatre and performance studies. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 505 Theatre for Children and Youth**

Special training and techniques involved in the preparation and development of productions for, and by, children and youth. Activities include directing, scenic and costume design, scripting, and a study of the history, literature and research of the field. May be taught concurrently with THE 605. Cannot receive credit for both THE 605 and THE 505.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 506 Creative Dramatics**

The art of creative drama and how it can be used in the school and community with children, youth, adults, and "special populations." Students teach their own classes in creative drama during the latter part of the semester. May be taught concurrently with THE 606. Cannot receive credit for both THE 606 and THE 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 510 Scripting and Performing**

*Prerequisite: THE 323.*

Theoretical and practical knowledge in developing performance skills for one-person shows, extended literary performances, performance art, stand-up comedy, personal narrative and other performer-composed theatrical texts. May be taught concurrently with THE 611. Cannot receive credit for both THE 611 and THE 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 511 Structures and Styles Shakespeare**

*Prerequisite: permission of instructor.*

Understanding text, style, and dynamics of action in Shakespeare. Creating roles in Shakespeare's plays.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**THE 515 Theatre for Social Change**

*Prerequisite: THE 323.*

Theoretical and practical knowledge for developing performances for, about, and in partnership with community-based nonprofit organizations. Includes volunteer assignment and techniques for journaling, interviewing, scripting, and directing original material. May be taught concurrently with THE 616. Cannot receive credit for both THE 616 and THE 515. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 522 Auditioning and Acting for the Camera**

*Prerequisite: permission of instructor.*

A practical immersion into the on-camera market for the professional actor. Auditioning and acting skills for one and three camera formats including commercials, television comedy, television drama, industrials, film, and emerging digital mediums. Also covers industry and marketing logistics in relation to the on-camera market. Maybe taught concurrently with THE 623. Cannot receive credit for both THE 522 and THE 623.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**THE 530 Directing II**

*Prerequisite: THE 430.*

Advanced directing techniques. Directing of a one-act play. May be taught concurrently with THE 640. Cannot receive credit for both THE 640 and THE 530.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 541 Theatre History I**

*Prerequisite: Writing II.*

Traces the important periods in the development of theatre from its beginning through the English Restoration. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 631. Cannot receive credit for both THE 541 and THE 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 542 Theatre History II**

*Prerequisite: Writing II.*

Traces the important periods in the development of theatre from the 18th century to the present. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 632. Cannot receive credit for both THE 542 and THE 632.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 543 Development of Modern Theatre**

*Prerequisite: Writing II.*

Examines the aesthetic, cultural, ethical, and social dimensions of modern theatre, from the development of naturalism to Theatre of the Absurd, through analysis of staging practices, theatrical theory, and dramatic literature. May be taught concurrently with THE 633. Cannot receive credit for both THE 543 and THE 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**THE 545 Contemporary Theatre**

*Prerequisite: Writing II.*

Examines the aesthetic, cultural, ethical, and social dimension of theatre and drama since 1960. Emphasis will be on theatre as an art form and a social and cultural institution. May be taught concurrently with THE 634. Cannot receive credit for both THE 545 and THE 634.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**THE 547 Development of American Theatre**

*Prerequisite: Writing II.*

Study of theatre in the United States from colonial times to the present; with a focus on the cultural and aesthetic variety of American theatrical practice and the theatre as a reflection of various cultural, and political beliefs. May be taught concurrently with THE 635. Cannot receive credit for both THE 635 and THE 547.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**THE 552 Scene Design II**

*Prerequisite: THE 275 and THE 281.*

Advanced designs of selected plays including floor plans, front elevations, white and finished models and renderings. May be taught concurrently with THE 652. Cannot receive credit for both THE 652 and THE 552.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**THE 555 Lighting Design II**

*Prerequisite: THE 275 and THE 281.*

Advanced principles and techniques of lighting for theatre, dance, and other performance/presentational events. May be taught concurrently with THE 655. Cannot receive credit for both THE 655 and THE 555.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**THE 558 Sound Design for the Theatre**

Principles of sound design with an emphasis on practical application. Includes a study and practice of basic audio production, recording, editing, mixing, reinforcement, and playback techniques used in association with dramatic events. Study of sound design includes aesthetic, dramatic, and practical considerations of script analysis, creative collaboration, research, and problem solving. Practical class application will be in the form of simple projects, exercises, and designs. May be taught concurrently with THE 658. Cannot receive credit for both THE 658 and THE 558.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**THE 561 History of Costume and Decor I**

A survey of styles of dress, interior design and decoration, architecture, art, and historical events as they pertain to the design of theatrical productions, from ancient Egypt to circa 1700. Requires sketching. May be taught concurrently with THE 671. Cannot receive credit for both THE 671 and THE 561.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 562 History of Costume and Decor II**

Survey of styles of dress, interior design and decoration, architecture, and art as they pertain to the design of theatrical productions, from circa 1700 to the present day. Requires sketching. May be taught concurrently with THE 672. Cannot receive credit for both THE 672 and THE 562.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 565 Costume Design II**

*Prerequisite: THE 380.*

Emphasis on special problems in costume design including applications of concepts to design projects and presentation of completed design projects. May be taught concurrently with THE 665. Cannot receive credit for both THE 665 and THE 565.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**THE 595 Theatre Practicum**

*Prerequisite: permission of department head.*

Acting, stagecraft, costuming and associated work in the Tent Theatre or other specified theatre production. May be taught concurrently with THE 694. Cannot receive credit for both THE 694 and THE 595.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**THE 605 Theatre for Children and Youth**

Special training and techniques involved in the preparation and development of productions for, and by, children and youth. Activities include directing, scenic and costume design, scripting, and a study of the history, literature and research of the field. May be taught concurrently with THE 505. Cannot receive credit for both THE 505 and THE 605.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 606 Creative Dramatics**

The art of creative drama and how it can be used in the school and community with children, youth, adults, and "special populations." Students teach their own classes in creative drama during the latter part of the semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 611 Scripting and Performing**

Theoretical and practical knowledge in developing performance skills for one-person shows, extended literary performances, performance art, stand-up comedy, personal narrative and other performer-composed theatrical texts. May be taught concurrently with THE 510. Cannot receive credit for both THE 510 and THE 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 616 Theatre for Social Change**

Theoretical and practical knowledge for developing performances for, about, and in partnership with community-based nonprofit organizations. Includes volunteer assignment and techniques for journaling, interviewing, scripting, and directing original material. May be taught concurrently with THE 515. Cannot receive credit for both THE 515 and THE 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 623 Auditioning and Acting for the Camera**

*Prerequisite: permission of instructor.*

A practical immersion into the on-camera market for the professional actor. Auditioning and acting skills for one and three camera formats including commercials, television comedy, television drama, industrials, film, and developing digital mediums. Also covers industry and marketing logistics in relation to the on-camera market. May be taught concurrently with THE 522. Cannot receive credit for both THE 522 and THE 623.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**THE 631 Theatre History I**

Traces the important periods in the development of theatre from its beginning through the English Restoration. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 541. Cannot receive credit for both THE 541 and THE 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 632 Theatre History II**

Traces the important periods in the development of theatre from the 18th century to the present. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 542. Cannot receive credit for both THE 542 and THE 632.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 633 Development of Modern Theatre**

Examines the aesthetic, cultural, ethical, and social dimension of modern theatre, from the development of naturalism to Theatre of the Absurd, through analysis of staging practices, theatrical theory, and dramatic literature. May be taught concurrently with THE 543. Cannot receive credit for both THE 543 and THE 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**THE 634 Contemporary Theatre**

Examines the aesthetic, cultural, ethical, and social dimension of theatre and drama since 1960. Emphasis will be on theatre as an art form and a social and cultural institution. May be taught concurrently with THE 545. Cannot receive credit for both THE 545 and THE 634.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**THE 635 Development of American Theatre**

Study of theatre in the United States from colonial times to the present with a focus on the cultural and aesthetic variety of American theatrical practice and the theatre as a reflection of various social, cultural, and political beliefs. May be taught concurrently with THE 547. Cannot receive credit for both THE 547 and THE 635.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**THE 640 Directing II**

Advanced directing techniques. Directing of a one-act play. May be taught concurrently with THE 530. Cannot receive credit for both THE 530 and THE 640.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**THE 652 Scene Design II**

Advanced designs of selected plays including floor plans, front elevations, white and finished models and renderings.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**THE 655 Lighting Design II**

Advanced principles and techniques of lighting for theatre, dance, and other performance/presentational events. May be taught concurrently with THE 555. Cannot receive credit for both THE 555 and THE 655.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**THE 658 Sound Design for the Theatre**

Principles of sound design with an emphasis on practical application. Includes a study and practice of basic audio production, recording, editing, mixing, reinforcement, and playback techniques used in association with dramatic events. Study of sound design includes aesthetic, dramatic, and practical considerations of script analysis, creative collaboration, research, and problem solving. Practical class application will be in the form of simple projects, exercises, and designs. May be taught concurrently with THE 558. Cannot receive credit for both THE 558 and THE 658.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**THE 665 Costume Design II**

Emphasis on special problems in costume design including applications of concepts to design projects and presentation of completed design projects. May be taught concurrently with THE 565. Cannot receive credit for both THE 565 and THE 665.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**THE 671 History of Costume and Decor I**

A survey of styles of dress, interior design and decoration, architecture, art, and historical events as they pertain to the design of theatrical productions, from ancient Egypt to circa 1700. Requires sketching. May be taught concurrently with THE 561. Cannot receive credit for both THE 561 and THE 671.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 672 History of Costume and Decor II**

Survey of styles of dress, interior design and decoration, architecture, and art as they pertain to the design of theatrical productions, from circa 1700 to the present day. Requires sketching. May be taught concurrently with THE 562. Cannot receive credit for both THE 562 and THE 672.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**THE 700 Graduate Research Methods in Theatre and Interpretation**

Exploration of the current state of theatre studies. Focuses on strategies for research with primary and secondary sources, critical and theoretical methodologies, and various methods of reporting research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**THE 707 Theatre Pedagogy: Theories and Practices**

Designed to acquaint theatre teachers with the field of current theories and practices of theatre and performance pedagogy, and to develop instructional skills with specific application to teaching introductory level theatre courses.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**THE 710 Seminar: Performance**

Studies in rhetorical, cultural, social and aesthetic dimensions of performance.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**THE 742 Dramatic Theory and Criticism**

Representative theories of dramatic form and function; works of major critics and philosophers from Aristotle to present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**THE 790 Workshop in Theatre**

Designed to improve the students' skill and knowledge in specific areas of theatrical production. Each workshop will be concerned with a single topic, either acting, directing, or design. The course will examine the intersections between theory and practice in the creation of theatrical works. May be repeated to a maximum of 9 hours credit.

**Credit hours:** 3-9
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**THE 793 Degree Paper**

Research and writing of an extended paper originating in one of the 700-level courses. Students may choose to present the completed paper for their required research report. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**THE 794 Theatre Practicum**

*Prerequisite: permission of department head.*

Acting, stagecraft, costuming and associated work in the Tent Theatre or other specified theatre production. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**THE 795 Applied Research Project**

*Prerequisite: permission of research advisor and, if applicable, host institution permission must be obtained the semester prior to enrollment.*

The applied research project may consist of: 1) a creative project (directing, designing, scripting, performing), or 2) an internship with a host company or agency. For the non-thesis project, students must design specific educational and social as well as artistic objectives and appropriate assessment measures in consultation with the advisor. Students may choose to report on the applied research project for their required research report. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**THE 796 Readings**

*Prerequisite: permission of graduate coordinator.*

Individual, experimental or research studies in theatre and performance studies. May be repeated to total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 797 Topics**

*Prerequisite: permission of graduate coordinator.*

Creative or special topics in theatre and performance studies. May be repeated to total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**THE 798 Thesis Research**

*Prerequisite: permission of the graduate coordinator.*

Research leading to a masters thesis. Students will present a proseminar on their research during the semester they are enrolled in this course.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**THE 799 Thesis Writing**

*Prerequisite: permission of graduate coordinator.*

Preparation of thesis. May be repeated, but no more than 3 hours may be counted toward a masters degree. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

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# Dance

## Major(s)

## Dance (Non-Comprehensive)

Bachelor of Science

### Admission Requirements

In addition to the University's admission requirements, students are required to take a placement class and have an interview with the Dance faculty prior to the first semester of coursework in the major. On-campus auditions and interviews for a place in the program takes place each year, during the fall and spring semesters. Specific information as to the date and the process is available through the Department of Theatre and Dance.

### Program Requirements

A. General Education Program and Requirements

B. Major requirements (42 hours)

1. Dance Techniques (21 hours minimum). No fewer than 6 hours in each of the following:
    a. DAN 216(3), 316(3), 416(3)
    b. DAN 230(3), 330(3), 430(3)
    c. DAN 245(3), 345(3), 445(3)
    d. An additional 3 hours from the courses listed above
2. Composition/Choreography (4 hours); DAN 320(2), DAN 420(2)
3. History (6 hours): DAN 180(3)-satisfies General Education requirement; DAN 552(3)
4. Technical Theatre (3 hours): THE 150(2), THE 151(1)
5. Applied Kinesiology for the Dancer and Dance Pedagogy (7 hours): DAN 364(3), DAN 565(4)
6. BS Project (1 hour): DAN 482(1)

7. Public Affairs Capstone Experience will be fulfilled by completion of DAN 552 and DAN 565.

8. A grade of C or better in all DAN and THE courses required for the major

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Dance

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

A. DAN 180(3)

B. Nine hours from: DAN 316(3), 416(3), 330(3), 430(3), 345(3), 445(3)

C. Six hours of electives from: DAN 320(2), 348(2), 364(2), 420(3), 520(3), 552(3), 565(4), 592(1) to bring total hours in minor to 18.

# Musical Theatre

## Major(s)

### Musical Theatre

Bachelor of Fine Arts
This major is offered in cooperation with the Department of Music.

The primary objective of this program shall be the development of the singer/actor/dancer who possesses a strong foundation in the requisite skills to pursue a career as a performing professional in musical theatre, including "book" musicals and variety productions.

#### Admission requirements

In addition to the University's admission requirements, students are required to audition for acceptance to the BFA in Musical Theatre program prior to the first semester of course work in the major. Auditions and interviews for a place in the program are held on campus in February of each year. Specific information as to the date and the process is available through the Department of Theatre and Dance.

#### Performance reviews

In addition to the curricular requirements for the degree, students must successfully complete two performance reviews prior to graduation. These include a mid-program review after specified upper-level courses have been completed and an exit review given in one of the two semesters of the senior year.

#### Program requirements

A. General Education Program and Requirements

B. Major Requirements (86 hours)

1. Acting (14 hours): THE 121(3), 221(3), 321(3), 421(3), 451(2)

2. Applied Voice (11 hours): MUS 298(0), 498(2-4); and from MUS 153(1), 253(1), 353(1), and 453(1)

3. Stage Voice and Movement (9 hours): THE 122(3), 226(2), 328(3), 424(1)

4. History/analysis (9 hours): THE 130(3); MUS 343(3), 344(3)

5. Technology (10 hours): THE 150(2), 151(1), 224(1), and select 6 hours from: THE 250(2) and 251(1); THE 255(2) and 256(1); THE 260(2) and 261(1)

6. Musicianship (7 hours): MUS 103(3), 104(3), 137(1)

7. Dance (12 hours): DAN 125(2) or 225(2); DAN 130(2) or 230(2); DAN 131(2) or 216(3); DAN 146(2) or 245(3); and DAN 323(2). If necessary, select additional hours from DAN 225(2), 245(3), 345(3), or 348(2) to reach 12 hours in Dance.

8. Musical Theatre Practicum (8 hours) select from: MUS 193(1), 280(2), 380(2), 480(2); THE 495(1)

9. Electives (6 hours): choose from Theatre, Music, or Dance courses with approval of advisor

10. Public Affairs Capstone Experience will be fulfilled by completion of MUS 344(3) and 498(2-4).

C. GPA Graduation Requirement: A grade of "C" or better is required in all MUS courses counted toward the major. An overall GPA of 2.50 is required for all courses listed under major requirements.

D. General Baccalaureate Degree Requirements

# Speech and Theatre Education

## Major(s)

### Speech and Theatre Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   Specific General Education Requirements: COM 115(3); MED 120(3)

B. Major Requirements (54 hours)
   Students interested in teaching speech and theatre at the secondary level may choose one of two options: One option emphasizes theatre (see below) and the other emphasizes communication (see Department of Communication). Both options meet state certification requirements for Speech and Theatre Education.

   1. Core: COM 322(3), 532(3), 534(3), 536(2); THE 130(3), 150(2), 151(1), 222(3), 323(3), 430(3); MED 120(3)

   2. **Theatre Option:** THE 122(3), 224(1), 250(2), 251(1), 255(2), 256(1), 260(2), 261(1), 530(3), 541(3), 542(3); THE 505(3) or 506(3) or 515(3)

   3. Public Affairs Capstone Experience will be fulfilled by completion of THE 491(6).

C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.

   1. THE 417(3), THE 490(6), THE 491(6)

   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification

which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

# Theatre

## Major(s)

### Theatre (Non-Comprehensive)

Bachelor of Arts

**Admission Requirements**

In addition to meeting the University's admission requirements, students must be officially accepted into the Theatre BA program prior to the first semester of coursework in the major. A statement of purpose detailing why the candidate has chosen this degree is required. Prospective students should contact the Department of Theatre and Dance for specific information about the statement and application dates.

**Program Requirements**

A. General Education Program and Requirements

B. Major requirements (42 hours). Note: Courses counted for the major may **not** also be counted for the Bachelor of Arts-Fine Arts requirement.

1. Script Analysis (3 hours): THE 130(3)
2. Acting (9 hours): THE 122(3), 222(3), 323(3)
3. Theatre History (6 hours): THE 541(3), 542(3)
4. Design/Technology/Stage Management (6 hours): THE 150(2), 151(1); choose 3 hours from THE 250(2) and 251(1), or THE 255(2) and 256(1), or THE 260(2) and 261(1), or THE 354(3)
5. Directing (3 hours): THE 430(3)
6. Public Affairs Capstone Experience (3 hours): THE 515(3)
7. Elective (11 hours): Complete an additional 11 hours from advisor approved THE and/or DAN courses

8. Senior Project (1 hour): THE 482(1)

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Theatre (Non-Comprehensive)

Bachelor of Science

### Admission Requirements

In addition to the University's admission requirements, students must be officially accepted into the BS program prior to the first semester of coursework in the major. A statement of purpose detailing why the candidate has chosen this degree is required. Prospective students should contact the Department of Theatre and Dance for specific information about the statement and application dates.

### Program Requirements

A. General Education Program and Requirements

B. Major requirements (42 hours).

1. Script Analysis (3 hours): THE 130(3)
2. Acting (9 hours): THE 122(3), 222(3), 323(3)
3. Theatre History (6 hours): THE 541(3), 542(3)
4. Design/Technology/Stage Management (6 hours): THE 150(2), 151(1); choose 3 hours from THE 250(2) and 251(1), or THE 255(2) and 256(1), or THE 260(2) and 261(1), or THE 354(3)
5. Directing (3 hours): THE 430(3)
6. Public Affairs Capstone Experience (3 hours): THE 515(3)
7. Elective (11 hours): Complete an additional 11 hours from advisor approved THE and/or DAN courses
8. Senior Project (1 hour): THE 482(1)

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

## Theatre

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

A. THE 130(3), 150(2), 151(1)

B. One course from: THE 541(3), 542(3), 543(3), 545(3), 547(3)

C. Nine hours of Theatre electives of which three hours must be chosen from courses numbered 300 or higher for a total of 18 hours

# Theatre and Dance

## Major(s)

### Theatre and Dance

Bachelor of Fine Arts

**Admission Requirements**

In addition to the University's admission requirements, students must be officially accepted into the BFA program prior to the first semester of coursework in the major. Auditions and/or interviews for placement in the program are held on campus during the fall and spring semester of each year. Prospective students should contact the Department of Theatre and Dance for specific information about the audition process and dates.

**Program Requirements**

A. General Education Program and Requirements

B. Major Requirements (78 hours)

1. Core Requirements (31 hours)

a. Design/Technology (10 hours): THE 150(2) and 151(1); 224(1); choose two groups from THE 250(2) and 251(1), or THE 255(2) and 256(1), or THE 260(2) and 261(1)

b. Directing (6 hours): THE 130(3); and THE 430(3) or DAN 520(3)-required for Dance option.

c. History (6 hours): THE 541(3); and THE 542(3) or DAN 552(3)

d. Acting (3 hours): THE 121(3)* or 222(3). *THE 121 is open to admitted BFA in Theatre and Dance/Acting and Musical Theatre majors only.

e. Electives from approved courses inside or outside the department (5 hours). 2-3 hours of Dance courses suggested.

f. Senior BFA Project:

1. THE 492(1) required for Acting option, and for Design/Technology/Stage Management option

2. DAN 492(1) required for Dance option

2. Complete one of the following options:

a. **Acting** (47 hours):

1. THE 122(3), 221(3), 226(2), 228(2), 321(3), 326(3), 327(3), 328(3), 421(3), 424(1), 451(2), 498(2), 511(3), 522(3)

2. 3 hours from the following: THE 505(3), 510(3), 515(3), 530(3)

3. 3 hours from the following: THE 543(3), 545(3), 547(3); or approved literature course(s) numbered 300 or higher

4. 5 hours from approved performance related electives from Dance, Music, or Theatre courses

5. Each candidate will meet with the Acting faculty at the end of each spring semester to assess individual progress, strengths, and goals.

6. Public Affairs Capstone Experience will be fulfilled by completion of THE 492(1) and 498(2).

b. **Dance** (47 hours)

1. Dance Technique (33 hours):

a. No fewer than 12 hours in: DAN 216(3), 316(3), 416(3)

b. No fewer than 12 hours in: DAN 230(3), 330(3), 430(3)

c. No fewer than 9 hours in: DAN 245(3), 345(3), 445(3)

2. Composition/Choreography (4 hours): DAN 320(2), 420(2)

3. Partnering (2 hours): DAN 348(2)

4. Performance Practicum: DAN 592(1)

5. Anatomy and Kinesiology (3 hours): DAN 364(3)

6. Pedagogy (4 hours): DAN 565(4)

7. Public Affairs Capstone Experience will be fulfilled by completion of DAN 520(3) and 565(4).

   It is strongly recommended that all Dance majors take DAN 180 and one course from the following: MUS 239, MUS 345 or MUS 346. These courses fulfill General Education Program requirements.

c. **Design/Technology/Stage Management** (47 hours):

1. Design/Technology Core course sequence not selected above from: THE 250(2) and 251(1); THE 255(2) and 256(1); or THE 260(2) and 261(1)

2. THE 270(3), 271(3), 275(3), 280(3), 281(3), 292(1), 295(1), 354(3), 380(3), 381(3), 382(3), 392(1), 395(1), 495(1), 561(3), 562(3)

3. 6 hours from the following: THE 324(1), 350(3), 454(3), 460(3), 530(3), 552(3), 555(3), 558(3), 565(3); COM 205(3) or 332(3)

4. Public Affairs Capstone Experience will be fulfilled by completion of THE 395(1), 492(1) and THE 495(1).

C. General Baccalaureate Degree Requirements

# College of Business

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Accounting (BS, Minor)+

Advertising and Promotion (Minor)

Computer Information Systems (BS, Minor) +

Construction Management (BS, Minor)+

Cybersecurity (Minor)

Data Analytics (Minor)

Entertainment Management (BS)+

Entrepreneurial Studies (Minor)

Entrepreneurship (BS, Minor)+

Entrepreneurship (Certificate)

Fashion Merchandising and Design (BS)

Finance (BS, Minor)+

Financial Planning (Minor)

General Business (BS, Minor)+

Human Resources Management/Industrial-Relations (Minor)

Industrial Management (Minor)

Information Technology Service

Interior Design (BS, Minor)

International Management (Minor)

International Marketing (Minor)

Leadership (Minor)

Legal Studies in Business (Minor)

Logistics and Supply Chain Management (Minor)

Management (BS, Minor)+

Marketing (BS, Minor)+

Marketing Research (Minor)

Mechanical Engineering Technology (BS)+

Real Estate (Minor)

Risk Management and Insurance (BS, Minor) +

Selling (Minor)

Supply Chain, Logistics and Operations Management (BS)+

Technology Management (BAS)+

Web Application Development (Minor)

Management (BS, Minor)

## Graduate

Accountancy, Master of (MAcc)

Business Administration, Master of (MBA)

Computer Information Systems (MS) - not currently accepting applications

Computer Information Systems (Certificate)

Cybersecurity (MS)

Cybersecurity (Certificate)

Data Analytics (Certificate)

Entrepreneurship (Certificate)

Finance (Certificate)

Financial Analysis (Certificate)

Forensic Accounting (Certificate)

Health Administration, Master of (MHA)

Health Administration (Certificate)

International Business (Certificate)

Leadership (Certificate)

Management (Certificate)

Marketing (Certificate)

Project Management (MS)

Project Management (Certificate)

Tax Accounting (Certificate)

# COB Admission and Program Requirements

## Programs within the business unit

- School of Accountancy
- Department of Finance and General Business
- Department of Management and Information Technology
- Department of Marketing

## Accreditation within the business unit

## Contact

**Dean**

Stephanie Bryant, PhD

**Associate deans**

David B. Meinert, PhD

Elizabeth J. Rozell, PhD

**Office**

AACSB-International – The Association to Advance Collegiate Schools of Business - all programs

## Accreditations outside the business unit

- American Council for Construction Education – Construction Management (BS)
- Project Management Institute Global Accreditation Center – Project Management (MS)

## College of Business vision, mission, and value statements

### Vision

Our vision statement expresses aspirationally how we wish to be viewed both internally and externally. "The College of Business at Missouri State University is one of the leading business schools in the Midwest."

### Mission

The Missouri State University College of Business is committed to effectively developing educated persons in the business disciplines at the undergraduate and master's level to prepare them for successful careers as managers and professionals. We will accomplish this mission by providing students with a broad understanding of public affairs, and with knowledge, skills and values to succeed and adapt in a global economy. Essential to achieving this mission is providing high quality undergraduate and graduate degree programs delivered through excellent teaching and student engagement, and producing quality intellectual contributions that advance knowledge of business and management theory, practice, and/or learning pedagogy. We also seek to build effective partnerships with global institutions, industry, the public, and our colleagues.

## Shared values and guiding principles

Glass Hall, Room 400

**Phone**

417-836-5646

**Fax**

417-836-4407

**Email**

COB@missouristate.edu

**Website**

business.missouristate.edu

- ***We value ethical behavior and integrity.*** We believe in consistently practicing honesty, integrity, and professional ethics in all aspects of the work we do. We believe it is important to promote ethical behavior and integrity in our students, faculty, administrators and staff.

- ***We value personal interaction with students and a student-centered learning environment.*** We believe in providing a high quality, high-touch, personalized educational environment that facilitates learning through students' interactions with faculty, staff and administrators. We believe it is important to instill a commitment to lifelong learning in our students.

- ***We value our faculty, staff and administrators.*** We believe in nurturing and supporting a collegial environment for faculty, staff and administrators that is supportive of our individual and collective educational efforts. We recognize, support and applaud differing viewpoints and we strive to maintain a decision-making process that considers alternative views before decisions are made. We embrace the university's Long Range Plan sentiment that "What makes Missouri State special is the people."

- ***We value diversity of all types.*** We believe that diversity and inclusiveness enrich the educational experience for our students, prompt personal growth, strengthen the community and workplace, and promote cultural competence.

- ***We value scholarship and the production of intellectual contributions that contribute knowledge and understanding to the broader business and academic communities.*** We believe our scholarship should be directed at discovery of new ideas and applying knowledge to support improvement in business, community well-being and educational processes.

- ***We value our community and our region.*** We believe in developing programs that support our community and region. As the largest College of Business in the region and as a state-supported institution, we strive to provide

organizations with serious well-prepared students and to make available various support functions to help businesses to be more successful in their dynamic environments.

- ***We value continuous improvement.*** We believe in individual and collective efforts that support the College mission; we will strive for continuous improvement. By committing to continuous improvement over time, we will take areas that need attention and ultimately make them strengths, and take existing strengths and further increase the College's points of differential advantage.

## Business Advisement Center

The Business Advisement Center at Missouri State University provides academic advisement to students majoring in all six departments within the College of Business. A staff of professional advisors provides a full range of services including information sessions for prospective students, freshman orientation, degree program admission, and graduation checks. For an appointment or more information contact the Business Advisement Center, Glass Hall, Room 276, 417-836-5386, or email BusinessAdvisement@missouristate.edu.

# College of Business Admission and Program Requirements

Applicable to all majors within the business units of the College of Business.

***Majors in the Department of Technology and Construction Management and the Department of Merchandising and Fashion Design are excluded from these program and admission requirements.***

## Admission requirements

All students who plan to apply for admission to the College of Business should declare a major in one of the five departments within the business unit of the College upon admission to the University and seek enrollment advice through the Business Advisement Center. Students who are uncertain at the time of admission to the University should declare a business major with the specific area undecided.

Students in good standing are eligible to be considered for admission to a specific degree program in the College of Business upon the completion of at least 54 hours including at least ten of the following preparation courses. Up to two of the twelve courses listed may be completed during the semester of admission; however, students should make every effort to complete all of the preparation courses prior to admission.

Students majoring in Computer Information Systems are required to meet additional admission requirements. See the Department of Management and Information Technology section of catalog for details.

## Courses required for admission

1. Accounting: ACC 201(3) and 211(3); or ACC 206(4)
2. Critical and Creative Thinking Using Information Technology: CIS 200(3)
3. Public Speaking: COM 115(3)
4. Economics: ECO 155(3) and ECO 165(3)
5. Writing I: ENG 110(3)

6. Business Communications: MGT 286(3)
7. Mathematics: MTH 135 or Higher (3-5 hours) *except MTH 130 (previous number for MTH 145)*
8. Psychology: PSY 121(3)
9. Business Statistics: QBA 237(3)
10. Legal Environment of Business: LAW 231(3)

Admission decisions will be determined by applicants' combined (Missouri State plus transfer) grade point averages. All applicants whose combined grade point average is 2.50 or higher will be admitted. With written permission from the Business Advisement Center Director, a student may take up to, but not exceeding, 12 hours of upper level College of Business credit while working to satisfy the grade point average requirement.

## Special procedural information

Students must gain admission to the College of Business by the semester in which they have earned a total of 60 semester hours of college credit (including transfer credit). Students who do not gain admission as expected are subject to being dropped as business majors and will not be permitted to register for the following semester without special permission.

Business (and undeclared) majors cannot be enrolled in upper-division business courses until their degree program has been finalized. Business (and undeclared) majors who have enrolled in upper-division business courses without having met all admission requirements (or without having met all of the specific course prerequisites) will be dropped from those courses.

Students should contact the Business Advisement Center regarding the granting of special permission to register.

## Program requirements

In addition to the General Education and General Baccalaureate Degree Requirements, all Bachelor of Science candidates in the College of Business must meet the following requirements for graduation.

A. Grade Point Average: All business majors must have a 2.50 or higher grade point average at the time of graduation for all upper-division College of Business courses attempted at Missouri State University.

B. College of Business Core Requirements:

1. ACC 201(3) and ACC 211(3); or ACC 206(4)
2. CIS 201(3)
3. ECO 155(3) and ECO 165(3). *Note: ECO 155 or ECO 165 may also be used toward General Education requirements.*
4. FIN 380(3)
5. LAW 231(3) and LAW 332(1)
6. MGT 286(3) and MGT 340(3) and MGT 487(3)
7. MKT 350(3)
8. PSY 121(3) *Note: PSY 121 may also be used toward General Education requirements.*
9. QBA 237(3)
10. ACC 341(3) required for Accounting majors; or CIS 461(3) required for Computer Information Systems and Information Technology Service Management majors; or CIS 429(3) required for all other majors
11. MKT 364(3) or MKT 450(3) required for Marketing majors; or MKT 364(3) required for all other majors.

C. Public Affairs Capstone Experience will be fulfilled by completion of MGT 340(3).

D. Globalization Requirement: The College of Business requires all business majors to participate in an experience that will increase their preparation for successful careers in a globally competitive business environment. While the College of Business encourages students to achieve this goal by completing an international educational experience (see #1 below) or by completing six hours of foreign language courses (see #2 below), students may satisfy this globalization requirement by completing any one or more of the following five options:

1. Completion of a full-semester study away experience, approved by the Director of International Business Programs, where the duration of the program is at least four weeks and the student passes at least three hours of course credit. This action will not result in a reduction of the total hours required toward the degree.
2. Completion of six hours of language courses such as: ARB, CHI, FRN, GRK, GRM,

HBW, ITL, JPN, KOR, LTN, PTG, RUS, SPN.

3. Completion of an internship where the student will live and work abroad for a period of at least six weeks and earn three credit hours of course credit in one of the following: ACC 494, BUS 494, CIS 494, MGT 494, or MKT 494. Course credit for the internship experience must be approved by the respective Department Head prior to acceptance/commencement of the internship. Prerequisites may apply. This action will not result in a reduction of the total hours required toward the degree.

4. Completion of a COB upper-division course of at least three credit hours as part of an international short-term faculty-led program with a COB faculty member. This action will not result in a reduction of the total hours required toward the degree.

5. Completion of six hours from the list below:
    a. Accounting: ACC 506
    b. Anthropology: ANT 100, 226, 330, 331, 332, 334, 335. *Note: ANT 100 or GRY 100 or REL 210 may be used toward General Education requirements.*
    c. Economics: ECO 346, 456, 565
    d. English: ENG 341, 361
    e. Finance: FIN 582, 586
    f. Geography: GRY 100, 305, 308, 320, 321, 323, 328. *Note: GRY 100 or ANT 100 or REL 210 may be used toward General Education requirements.*
    g. Global Studies: GBL 250
    h. History: HST 200, 340, 350, 355, 380, 381
    i. Interdisciplinary Studies: IDS 297, 397 *Note: IDS 297 may be used toward General Education requirements.*
    j. Language: LLT 215, LLT 225, MCL 303
    k. Law: LAW 539
    l. Management: MGT 447
    m. Marketing: MKT 464, 474

n. Music: MUS 239 *Note: May be used toward General Education requirements.*

o. Political Science: PLS 205, 232, 544, 545, 548, 550

p. Religious Studies: REL 210, 330, 350, 355, 360. *Note: REL 210 or ANT 100 or GRY 100 may be used toward General Education requirements.*

q. Sociology: SOC 150

E. Recommendation for Course Work Outside the College of Business: It is recommended that all business majors complete at least 50 percent of the hours required for graduation outside the College of Business. For purposes of this recommendation, the following courses may be counted as hours outside of the College of Business: QBA 237 and QBA 337, and all courses offered in the Department of Technology and Construction Management and Department of Merchandising and Fashion Design.

F. Other Requirements**:**
   1. A minimum of 12 credit hours not counted as requirements on any other major or minor, and exclusive of "problems" and "readings" courses, is required for the completion of any additional major in business.

   2. A minimum of 9 credit hours not counted as requirements on any major or other minor, and exclusive of "problems" and "readings" courses, is required for the completion of any minor in business.

## Transfer credit validation requirements

Students who plan to begin work at a community college or another four-year institution and later transfer to Missouri State should take only those lower-division courses in business numbered 1 through 299. Upper-division courses taught in the junior and senior years at Missouri State are numbered 300 or higher and should not be completed at a two-year college for transfer credit in the business core or major program area of specialization at Missouri State. If similar courses are taken at the lower-division level at a community college or a four-year institution, validation through additional course work or testing will be required. Validation by exam must be completed within the semester of admission. Validation by additional course work must be requested in the Business Advisement Center the semester of transfer and must be completed within one year. Courses taken at *any* level must be approved by the appropriate department as equivalent to an upper-division course in the College of Business.

## Residence requirement for transfer students

At least 50 percent of the College of Business credit hours required for a business degree must be earned from the Missouri State University Springfield campus.

## Sequencing of courses

The College of Business has established an appropriate sequencing of courses in addition to specified course prerequisites. Additional information about course prerequisites and sequencing of classes are available on the Business Advisement Center website. The sequencing of courses and course prerequisites are enforced by computerized prerequisite checks.

## High school preparation

Students entering the College of Business are expected to have computer keyboarding skills and an understanding of the accounting cycle. These skills may be acquired by taking keyboarding/typewriting and accounting.

## Enrollment by non-business students

Students seeking degrees outside the College of Business, Business Unit, including majors in the Department of Technology and Construction Management and Department of Merchandising and Fashion Design, cannot exceed 31 hours of business courses (25 percent of the 125 hours required for graduation) unless all admission requirements to the College of Business have been met. All exceptions must have the written approval of the Dean of the College of Business. Students found to be in violation of this policy will be dropped from all courses exceeding the maximum number of business course hours.

# School of Accountancy

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Accounting (BS, Minor)+

### Graduate

Accountancy, Master of (MAcc)+

Forensic Accounting (Certificate)

Tax Accounting (Certificate)

Master of Business Administration (MBA) +
Administered by the College of Business

## Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

## Mission statement

The School of Accountancy (SOA) cultivates a comprehensive, high quality accounting education environment, serving graduate and undergraduate accounting majors, business majors, and other interested persons. Student development is the School's top priority, and the primary responsibility of a full-time faculty engaged with its students. Accordingly, faculty encourages interaction with students in the classroom, during office visits

## Contact

**Director**

John R. Williams, Sr., PhD, CPA

**Office**

Glass Hall, Room 439

**Phone**

417-836-5414

and through other school, college, and university programs. The faculty is also engaged in productive scholarship and meaningful service and interaction with the accounting profession, the University, and the larger community. The SOA acknowledges that teaching, research, and service are integrated, complementary activities. These scholarly endeavors advance knowledge, foster an attitude of inquiry, meet the needs of society, and contribute to student learning.

**Fax**

417-836-5164

**Email**

Accountancy@missouristate.e

**Website**

www.missouristate.edu/SOA

## General information

### Advisement information

With careful selection of elective courses, students can customize their degree to target specific interests, entry-level job markets, or professional certification examinations. Students should consult with their advisor (and other faculty) concerning this opportunity.

### Professional certification

Nationally recognized professional accounting certifications include Certified Public Accountant (CPA), Certified Management Accountant (CMA), Certified Internal Auditor (CIA), Certified Government Financial Manager (CGFM), and Certified Fraud Examiner (CFE). The School of Accountancy encourages its majors to consider earning one or more of these certifications.

The State of Missouri requires those who apply to sit for the CPA examination to have at least 150 semester hours of college credit. Furthermore, the American Institute of Certified Public Accountants (AICPA) requires at least 150 semester hours of college credit for membership. The accounting faculty highly recommends that the Master of Accountancy program be used to acquire the 150 hours required for CPAs as well as for those desiring other professional certifications.

# Accountancy Faculty

## Professors

Sandra D. Byrd, CPA, PhD

Lester E. Heitger, PhD, CPA

Debra H. Oden, LLM-Tax, JD, CPA

Stevan K. Olson, PhD, CPA

George D. Schmelzle, PhD

## Associate professors

Paul A. Ashcroft, PhD, CPA

Carl E. Keller, Jr., PhD, CPA (inactive)

Geanie W. Margavio, PhD, CPA

John R. Williams, Sr., PhD, CPA

## Assistant professors

Christopher S. Hines, PhD, CPA

Kerri L. Tassin, MTax, JD

## Senior instructor

Michael R. Hammond, MAcc, CPA

## Instructors

Samuel J. Bass, MAcc

James N. Hines, MAcc

Kristen E. Jones, BS

Julia K. Ravenscraft, MAcc

## Emeritus faculty

Ronald R. Bottin, PhD

Wilbur Bridges, MBA

Kenneth W. Brown, PhD

David B. Byrd, PhD

M. Virginia Cerullo, PhD

Michael J. Cerullo, PhD

Kurt E. Chaloupecky, PhD

Sidney R. Ewer, PhD, CIA, CPA (inactive-Tennessee)

Olen L. Greer, PhD, CMA

Phillip D. Harsha, PhD, CIA

Anthony Craig Keller, PhD

Terry L. Loveland, MAcc

Jon R. Nance, PhD

Keith B. Scott, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Accountancy Courses

## Accounting (ACC) courses

**ACC 109 The Accounting Cycle**

Introduction to the basic accounting concepts related to the processing of transactions and preparation of an income statement and balance sheet. A student who has received credit for ACC 201 at the time of enrollment in ACC 109 will not receive credit for ACC 109.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 121 Individual Tax Return Preparation**

Principles of income tax with emphasis on the preparation of returns for individual taxpayers. Attention will be given to the proper reporting of income and deduction items.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 201 Introduction to Financial Accounting**

*Prerequisite: completion of 24 hours; and MSU GPA of 2.00; and combined (MSU and transfer) GPA of 2.00; and the math general education requirement with a grade of "C" or better.*

Methods and procedures employed in financial accounting with emphasis on development and interpretation of financial statements. A grade of "B" or better is required to take ACC 301, 321, or 532.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 206 Accounting Choices and Methods**

*Prerequisite: UHC 110.*

Comprehensive and accelerated examination of alternative accounting models, including electronic spreadsheet models, and their uses. Replaces ACC 201 and 211 for Honors College students. A grade of "C" or better is required in this course in order to take ACC 311. A grade of "B" or better is required in this course in order to take ACC 301 or ACC 321 or ACC 532. Cannot be taken Pass/Not Pass.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 209 Accounting Applications for Microcomputers**

Use of the microcomputer and electronic spreadsheets to master the basic accounting cycle.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 211 Introduction to Managerial Accounting**

*Prerequisite: ACC 201; and CIS 201 or concurrent enrollment.*

Methods and procedures employed in managerial accounting with emphasis on the use of accounting data for decision making. At least one spreadsheet project will be assigned. A grade of "C" or better is required in this course in order to take ACC 311. A grade of "B" or better is required in this course in order to take ACC 301. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 297 Topics in Accounting**

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 300 Professionalism in Accountancy**

*Prerequisite: grade of "B" or better in ACC 201 and ACC 211, or grade of "B" or better in ACC 206, or grade of "B" or better in ACC 600; and undergraduate business majors must be admitted to degree program.*

Cases (including written and oral presentations) will focus on ethical and regulatory issues in accounting. Students will focus on professional behavior appropriate for accounting professionals. A grade of "C" or better is required in this course in order to take ACC 302 and ACC 341. Research assignments are required.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 301 Intermediate Accounting I**

*Prerequisite: grade of "B" or better in ACC 201 and ACC 211 or grade of "B" or better in ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.*

Financial Accounting Theory applications to the accounting process of corporations. Review of financial statements; accounting for current and long-term assets. A grade of "C" or better is required in this course in order to take ACC 302, 341, 553, or 653. Cannot be taken Pass/Not Pass. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 302 Intermediate Accounting II**

*Prerequisite: grade of "C" or better in ACC 300 and ACC 301; and undergraduate business majors must be admitted to degree program.*

Continuation of intermediate accounting. Accounting for liabilities and equity. A grade of "C" or better is required in this course in order to take ACC 504, 604, 506, 606, 553, or 653. Cannot be taken Pass/Not Pass. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 311 Managerial Cost Accounting**

*Prerequisite: grade of "C" or better in one of ACC 211 or ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.*

Function of cost accounting; means and methods of its applications in specific accounting situations. A grade of "C" or better is required in this course in order to take ACC 513, 613, 553, or 653.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 321 Tax Accounting I**

*Prerequisite: grade of "B" or better in one of ACC 201 or ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.*

Principles of income tax accounting; current laws and income tax problems of individuals. A grade of "C" or better is required in this course in order to take ACC 524, 624, 525, 625, 553 or 653. Cannot be taken Pass/Not Pass. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 341 Accounting and Management Information Systems**

*Prerequisite: grade of "C" or better in ACC 300 and ACC 301; and undergraduate business majors must be admitted to degree program.*

Accounting system examined as a crucial base for the desired comprehensive management information system of an organization. Impact of the computer on accounting systems controls and the auditing of EDP based accounting systems. A grade of "C" or better is required in this course in order to take ACC 553 OR 653. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 394 Cooperative Education in Accounting**

*Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.*

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours in Cooperative Education.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 397 Topics in Accounting**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. Examples are: inflation accounting, management advisory services, public utility accounting, financial reporting to regulatory agencies. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 421 Volunteer Income Tax Assistance VITA**

*Prerequisite: grade of "C" or better in ACC 321; and undergraduate business majors must be admitted to degree program.*

Field work in the preparation of individual income tax return (state and federal) covering topics of gross income, deductions and credits.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ACC 422 Advanced Volunteer Income Tax Assistance VITA**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Experience in the planning and scheduling of the VITA program and provides final review of actual income tax returns prepared under field conditions.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ACC 494 Internship in Accounting**

*Prerequisite: 20 hours of accounting courses and permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.*

Internship experience in an organization emphasizing public, managerial or not-for-profit accounting.

**Credit hours:** 5
**Lecture contact hours:** 0
**Lab contact hours:** 10

**Typically offered:** Upon demand
Projected offerings

**ACC 496 Readings in Business Administration-Accounting**

*Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.*

Planned readings designed to intensify and supplement the area of accounting.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 504 Advanced Accounting**

*Prerequisite: grade of "C" or better in ACC 302; and undergraduate business majors must be admitted to degree program.*

Study of accounting for pensions, deferred taxes, business combinations, partnerships, and certain multicurrency accounting issues. May be taught concurrently with ACC 604. Cannot receive credit for both ACC 604 and ACC 504. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 506 International Accounting**

*Prerequisite: grade of "C" or better in ACC 302; and undergraduate business majors must be admitted to degree program.*

Accounting practices in different nations; multi-national corporation and selected accounting problems. May be taught concurrently with ACC 606. Cannot receive credit for both ACC 506 and ACC 606. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 513 Managerial Cost Accounting II**

*Prerequisite: grade of "C" or better in ACC 311; and undergraduate business majors must be admitted to degree program.*

A continuation of the topics examined in ACC 311. Specific topics covered include activity-based costing, strategic cost management, activity- and strategic-based responsibility accounting, quality costing, measurement and control of productivity, environmental cost management, cost-volume-profit analysis, activity resource usage, relevant costing, pricing and profitability analysis, capital investment decisions, and inventory management topics such as economic order quantity, just-in-time, and the theory of constraints. May be taught concurrently with ACC 613. Cannot receive credit for both ACC 513 and ACC 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ACC 524 Tax Accounting II**

*Prerequisite: grade of "C" or better in ACC 321; and undergraduate business majors must be admitted to degree program.*

Principles of federal tax accounting; research in income tax problems of partnerships and corporations; estate and gift tax problems of individuals. May be taught concurrently with ACC 624. Cannot receive credit for both ACC 524 and ACC 624. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 525 Individual Income Tax Assistance**

*Prerequisite: grade of "C" or better in ACC 321; and permission of instructor; and undergraduate business majors must be admitted to degree program.*

To provide undergraduate/graduate students with an opportunity to integrate intermediate tax accounting skills, critical thinking skills, communication skills, and research skills with community service. This course provides service-learning experience in the preparation and review of actual individual income tax returns (both federal and state) as well as the social and ethical issues inherent in US tax policy. May be taught concurrently with ACC 625. Cannot receive credit for both ACC 525 and ACC 625.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**ACC 532 Governmental and Not-For-Profit Organizational Accounting**

*Prerequisite: 75 hours; and a grade of "C" or better in ACC 301; and undergraduate business majors must be admitted to degree program.*

Governmental and not-for-profit organizational accounting records and funds, budgeting, budget control, analysis and interpretation of financial statements. May be taught concurrently with ACC 632. Cannot receive credit for both ACC 532 and ACC 632. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 553 Auditing**

*Prerequisite: grades of "C" or better in ACC 300 and ACC 301 and ACC 302 and ACC 311 and ACC 321 and ACC 341; and undergraduate business majors must be admitted to degree program.*

Kinds of audits, the duties and obligations of the auditor, principles and procedures to be followed in conducting an audit. A grade of "C" or better is required in this course in order to take ACC 703, 750, 751, 752, 754 and 790. This course has a required assessment component. Cannot be taken Pass/Not Pass. May be taught concurrently with ACC 653. Cannot receive credit for both ACC 553 and ACC 653. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 555 Internal Auditing**

*Prerequisite: grade of "C" or better in ACC 341; and undergraduate business majors must be admitted to degree program.*

Functions of internal audit, financial audit, and operations audit; importance of the changing professional status of the internal auditor. May be taught concurrently with ACC 655. Cannot receive credit for both ACC 655 and ACC 555.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 556 Operational Auditing**

*Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.*

Primarily a case study approach covering nonfinancial audits of efficient and effective resource utilization, accomplishment of operational goals, adherence to laws and regulations, fraud prevention and detection, integrity and security of computer systems, and achievement of program goals. May be taught concurrently with ACC 656. Cannot receive credit for both ACC 656 and ACC 556.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 596 Research Issues and Problems: Accounting**

*Prerequisite: 60 hours and permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.*

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 3 hours. May be taught concurrently with ACC 695. Cannot receive credit for both ACC 695 and ACC 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 600 Accounting Concepts for Managers**

*Prerequisite: permission of a director of a College of Business graduate program or the director of the Master of Professional Studies program.*

Comprehensive study of the fundamentals of financial and managerial accounting. Designed for graduate students who have not had an undergraduate course in accounting. Cannot be counted toward the hours required for a College of Business graduate degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 604 Advanced Accounting**

*Prerequisite: grade of "C" or better in ACC 302; and admitted to the MAcc Program.*

Study of accounting for pensions, deferred taxes, business combinations, partnerships, and certain multicurrency accounting issues. May be taught concurrently with ACC 504. Cannot receive credit for both ACC 504 and ACC 604. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 606 International Accounting**

*Prerequisite: grade of "C" or better in ACC 302; and admitted to the MAcc Program.*

Accounting practices in different nations; multi-national corporation and selected accounting problems. May be taught concurrently with ACC 506. Cannot receive credit for both ACC 506 and ACC 606. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 613 Managerial Cost Accounting II**

*Prerequisite: grade of "C" or better in ACC 311 and admitted to the MAcc Program.*

A continuation of the topics examined in ACC 311. Specific topics covered include activity-based costing, strategic cost management, activity- and strategic-based responsibility accounting, quality costing, measurement and control of productivity, environmental cost management, cost-volume-profit analysis, activity resource usage, relevant costing, pricing and profitability analysis, capital investment decisions, and inventory management topics such as economic order quantity, just-in-time, and the theory of constraints. May be taught concurrently with ACC 513. Cannot receive credit for both ACC 513 and ACC 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ACC 624 Tax Accounting II**

*Prerequisite: grade of "C" or better in ACC 321; and admitted to the MAcc Program.*

Principles of federal tax accounting; research in income tax problems of partnerships and corporations; estate and gift tax problems of individuals. May be taught concurrently with ACC 524. Cannot receive credit for both ACC 524 and ACC 624. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 625 Individual Income Tax Assistance**

*Prerequisite: grade of "C" or better in ACC 321; and permission of instructor; and admitted to the MAcc Program.*

To provide students with an opportunity to integrate intermediate tax accounting skills, critical thinking skills, communication skills, and research skills with community service. This course provides service-learning experience in the preparation and review of actual individual income tax returns (both federal and state) as well as the social and ethical issues inherent in US tax policy. May be taught concurrently with ACC 525. Cannot receive credit for both ACC 525 and ACC 625.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**ACC 632 Governmental and Not-For-Profit Organizational Accounting**

*Prerequisite: grade of "C" or better in ACC 301; and admitted to the MAcc Program.*

Governmental and not-for-profit organizational accounting records and funds, budgeting, budget control, analysis and interpretation of financial statements. May be taught concurrently with ACC 532. Cannot receive credit for both ACC 532 and ACC 632. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 653 Auditing**

*Prerequisite: grades of "C" or better in ACC 300 and ACC 301 and ACC 302 and ACC 311 and ACC 321 and ACC 341; and admitted to the MAcc Program.*

Kinds of audits, the duties and obligations of the auditor, principles and procedures to be followed in conducting an audit. A grade of "C" or better is required in this course in order to take ACC 703, 750, 751, 752, 754 and 790. This course has a required assessment component. May be taught concurrently with ACC 553. Cannot receive credit for both ACC 553 and ACC 653. Research assignments are required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 655 Internal Auditing**

*Prerequisite: grade of "C" or better in ACC 341; and admitted to the MAcc Program.*

Functions of internal audit, financial audit, and operations audit; importance of the changing professional status of the internal auditor. May be taught concurrently with ACC 555. Cannot receive credit for both ACC 555 and ACC 655.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 656 Operational Auditing**

*Prerequisite: admitted to MAcc Program.*

Primarily a case study approach covering nonfinancial audits of efficient and effective resource utilization, accomplishment of operational goals, adherence to laws and regulations, fraud prevention and detection, integrity and security of computer systems, and achievement of program goals. May be taught concurrently with ACC 556. Cannot receive credit for both ACC 556 and ACC 656.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 688 Healthcare Accounting Concepts**

The role of accounting in the financial and operational management of healthcare organizations is approached via an introduction to healthcare financial and managerial accounting principles. This course addresses the definition of financial accounting; external reporting; development and use of the income statement, balance sheet and statement of cash flows. The course also addresses the managerial accounting topics of cost behavior and allocation; accounting data for pricing and service decisions; planning and budgeting in healthcare organizations; analysis of financial condition; and selected topics in ethics. The course is a core requirement for Master of Health Administration students and may be of interest to students in other graduate programs. Note that ACC 688 cannot be substituted for ACC 711 in the MBA program and cannot be counted in the 33 semester hours required for the MAcc degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**ACC 695 Research Issues and Problems: Accounting**

*Prerequisite: permission of the School of Accountancy Director; and admitted to the MAcc Program.*

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 3 hours. May be taught concurrently with ACC 596. Cannot receive credit for both ACC 596 and ACC 695.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 703 Seminar in Accounting Theory**

*Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and grade of "C" or better in ACC 604 or ACC 504; and admitted to the MAcc Program.*

Critical evaluation and interpretation of accounting theory. Completion of a significant research project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 705 Advanced Financial Accounting Problems**

*Prerequisite: grade of "C" or better in ACC 302; and grade of "C" or better in ACC 504 or ACC 604; and admitted to MAcc program.*

An in-depth study of contemporary advanced financial accounting topics for professional accountants.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 711 Managerial Accounting**

*Prerequisite: grade of "C" or better in ACC 211 or ACC 206 or ACC 600; and admitted to MBA or MHA program.*

Role of accounting in improving the practice of business management; budgeting, accounting analysis, the behavior of costs, accounting control. This course will not be counted in the 33 semester hours required for the MACC degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 712 Controllership and Communication**

*Prerequisite: grade of "C" or better in ACC 311 or in ACC 711; and admitted to the MAcc Program.*

An in-depth examination of the leadership and communication challenges associated with being a controller and/or professional accountant. The written and oral communication skills required for success as a professional accountant will be developed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ACC 715 Advanced Cost Accounting**

*Prerequisite: grade of "C" or better in ACC 613 or in ACC 513; and admitted to the MAcc Program.*

An in-depth study of contemporary topics for cost accountants.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ACC 721 Advanced Tax Accounting**

*Prerequisite: grade of "C" or better in ACC 321; and grade of "C" or better in ACC 624 or in ACC 524; and admitted to MAcc program.*

Case study approach to develop tax research, analytical, and communication skills. Incorporated into the case studies are ethical and legal constraints within which tax practitioners are obligated to operate.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ACC 722 Public Service Tax Accounting**

*Prerequisite: permission of instructor; and admitted to MAcc program.*

Students will learn theoretical foundations in public service tax accounting topics and develop skills; which will apply to practical situations that will help students be better citizens and employees. Students will assist low-income, elderly, and English as Second Language taxpayers in the community in identifying and meeting their tax rights and responsibilities.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**ACC 723 Tax Considerations for Decision Makers**

*Prerequisite: grade of "C" or better in ACC 624 or in ACC 524; and admitted to MAcc program.*

Tax course with emphasis on recognizing and understanding the importance of tax considerations in the process of making decisions in business and personal matters; developing a tax institution to anticipate and understand the effect of prospective tax law changes; examining U.S. tax policy issues; and motivating students to a lifetime of learning by engaging them in independent study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ACC 726 Regulation Issues for Accountants**

*Prerequisite: ACC 624 or ACC 524; and admitted to the MAcc program.*

The course is designed to provide students with a focused intensive study of regulation issues particularly relevant to professional accountants.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ACC 731 Control of Non-Profit Organizations**

*Prerequisite: grade of "C" or better in ACC 311 or in ACC 711; and admitted to MAcc program.*

Case study approach to financial control in non-profit organizations. Special emphasis is on governmental and health care organizations, although other non-profit organizations are also studied.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 741 Advanced Accounting and Management Information Systems**

*Prerequisite: grade of "C" or better in ACC 341; and admitted to MAcc program.*

Application of the concepts of systems design and implementation. Study of the attributes of accounting information systems and their relationship with management information systems. Functions of accounting information systems including data collection and transmission, internal controls, data organizations and storage, processing data, and information retrieval and display. Characteristics and applications of both manual and automated information systems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ACC 750 Advanced Auditing**

*Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.*

An in-depth study of contemporary topics for auditing professionals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 751 Computer Forensics and IT Auditing**

*Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.*

A study of information systems controls; auditing around, through, and with the computer; auditing advanced computer systems, spreadsheets and other fourth generation language applications. Hands-on computer auditing projects will be integrated into the course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ACC 752 Fraud Examination**

*Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.*

An in-depth study of the fraud examination process, including fraud prevention, detection, investigation, and management and employee fraud, and the legal aspects of fraud. Case studies are used extensively throughout the course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 754 Forensic Accounting: Litigation Support and Expert Witnessing**

*Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and admitted to MAcc program.*

This course explores one of the major areas of practice in forensic accounting. The course provides an in-depth investigation into the world of accounting litigation support and financial expert witnessing. The course requires students to actively participate in case analysis, development of expert reports, deposition testimony, and trial testimony. Students are exposed to the legal issues that impact on their role as an expert witness.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 762 Business and Accounting Concepts for Accountants**

*Prerequisite: admitted to the MAcc program.*

The course is designed to provide students with a focused, intensive study of business and accounting concepts particularly relevant to professional accountants.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ACC 790 Seminar in Accounting**

*Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and admitted to MAcc program.*

Critical evaluation and interpretation of the current research and professional literature in accounting. Study of ethical and institutional features of the accounting environment. Completion of a significant research project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ACC 794 Internship: Accounting**

*Prerequisite: 12 graduate hours of accounting courses; and permission of instructor; and admitted to MAcc program.*

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined, and evaluated during the semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ACC 796 Independent Study-Accounting**

*Prerequisite: permission of instructor; and admitted to the MAcc program.*

In consultation with coordinating professor, student selects for intensive study of a specific area of concern related to the student's program, with emphasis on research.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 797 Special Topics in Accounting**

*Prerequisite: 9 graduate hours of accounting courses; and admitted to the MAcc program.*

In-depth study of contemporary topics in accounting. Each offering concerns a single topic. May be repeated with departmental permission to a total of 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ACC 799 Thesis**

*Prerequisite: permission of instructor; and admitted to the MAcc program.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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Sarah L. Thompson, MT

# Accounting

## Major(s)

### Accounting (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements

1. ACC 300(2), 301(3), 302(3), 311(3), 321(3), 341(3), 553(3), QBA 337(3), CIS 555(3)

2. Complete 3 courses from: ACC 504(3), 506(3), 513(3), 524(3), 525(3), 532(3), 555(3), 556(3)

3. All accounting majors are required to complete at least 90 semester hours of required course work outside of accounting courses.

D. General Baccalaureate Degree Requirements

## Minor(s)

### Accounting

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

A. ACC 201(3), 211(3), 301(3). Note: ACC 206(4) may be substituted for ACC 201 and 211

B. Complete nine additional hours of accounting from: ACC 302(3), 311(3), 321(3), 341(3), 504(3), 506(3), 513(3), 524(3), 525(3), and 532(3).

## Accelerated graduate program in Accountancy

Eligible Missouri State undergraduate students may apply for admission to the Master of Accountancy program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of six hours of graduate credit may be counted toward both the

undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Merchandising and Fashion Design

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

- Fashion Merchandising and Design (BS)

## Mission statement

The Department of Merchandising and Fashion Design provides education, scholarship, and service in the areas of human services and professional career education. Its vision centers on the study of merchandizing and clothing as they relate to the physical, social, psychological, economic, aesthetic, and cultural perspectives of persons in the global community.

## Contact

**Interim department head**

Elizabeth J. Rozell, PhD,
Associate Dean, College of Business

**Office**

Park Central Office Building, Room 301

**Phone**

417-836-5136

**Fax**

417-836-4341

**Email**

FID@missouristate.edu

**Website**

www.missouristate.edu/fid

# Merchandising and Fashion Design Faculty

## Associate professor

Cathy L. Starr, PhD

## Assistant professors

Sandra L. Bailey, MS

Jenifer J. Roberts, MSEd

## Emeritus faculty

Edna Bell, PhD

Carrie J. Ireland, PhD

Thomas J. Kachel, MS

Jacquelyn Ledbetter, MS

Debra McDowell, EdD

Joyce Waldron, EdD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Merchandising and Fashion Design Courses

## Merchandising and Fashion Design (MFD) courses

**MFD 101 Introduction to Fashion**

Overview of the global fashion industry. Career options in fashion merchandising, product development and design are highlighted.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MFD 103 Introduction to Fashion Construction**

Basic understanding of industry construction techniques, terminology and applications of knit and woven fabrics.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**MFD 201 History of Fashion**

The study of fashion evolution from B.C. to current fashion and how the influences of social, economic, political, technological and global cultures impact garments and accessories.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MFD 202 Fashion Textiles**

Study of fibers, yarns and fabrics. Industry applications and end usage are examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MFD 203 Kaledo for the Fashion Industry**

*Prerequisite: MFD 101 with grade of C grade or better; and MFD 210.*

Introduction to the principles and techniques of computer aided design used in the fashion industry.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MFD 210 Computer Imagery in the Fashion Industry**

A study of software tools commonly used in the fashion industry.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MFD 270 Advanced Fashion Construction**

*Prerequisite: MFD 103 with C grade or better.*

Advanced construction techniques utilizing a variety of merchandise classifications including menswear, intimates, children's wear, and sportswear.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MFD 300 Special Topics in Fashion Merchandising and Design**

Selected topics of contemporary interest in merchandising and fashion design. Offered when resources and demand allow. May be repeated for a total of 6 hours when topics change. Variable Content Course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MFD 301 Introduction to Product Development**

*Prerequisite: MFD 101 with grade of C or better; and MFD 210.*

Examination of product development through core concepts, trends, color, and elements of design.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MFD 302 Fashion Merchandising and Design Study Tour**

Study of and visits to museums, design studios, historic sites, trade shows, conferences, and conventions related to the fashion industry. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MFD 303 Evaluation of Product Quality**

*Prerequisite: MFD 202 with a grade of C or better.*

The analysis of Product Development quality through element identification, stitch and seam classification, grading, fit, specifications and performance evaluation. May be taken concurrently with MFD 301.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MFD 304 Application of Product Development**

*Prerequisite: MFD 103 and MFD 202 and MFD 301 and MFD 303 with grades of C or better.*

The development of multiple collections for a new company from consumer to retail buyer or consumer. Research includes target market, seasonal changes, color, fabric selection, costing, specification sheets, labeling, packaging, and line/trend boards. May be taken concurrently with MFD 201.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MFD 305 Pre-Internship Seminar**

*Prerequisite: MFD 101 with grade of C or better; and MFD 210 and MFD 301.*

Sourcing and acquisition of an internship are examined. Includes resume writing, phone, email and correspondence etiquette, and interview skills.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MFD 306 Merchandising Mathematics**

*Prerequisite: MFD 301 with grade of C or better; and General Education mathematics requirement with a grade of C or better.*

Basic retail and buying formulas are examined for the purpose of understanding six month merchandising plans and open-to-buy calculations. Case studies include vender relations and negotiation strategies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MFD 307 Advanced Computer Imagery for the Fashion Industry**

*Prerequisite: MFD 210 with grade of C or better.*

Learn how to use current industry software, such as Photoshop, Illustrator, and related programs for fashion presentations and portfolio work.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MFD 360 Visual Merchandising**

*Prerequisite: MFD 301 with grade of C or better.*

Application of principles of visual merchandising through hands-on experience with visual placement, display focal points and background lighting for store displays. From a visual perspective students will explore media through the Internet, print and branding.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MFD 361 Fashion Show Production**

*Prerequisite: MFD 301 and MFD 304 with grades of C or better; and junior standing.*

Production of a runway fashion show from a zero line budget; showcasing original study designs and hands-on experience in fundraising, modeling, garment selection, staging, and public relations. May be repeated up to 6 hours with permission. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MFD 362 Fashion Promotion**

*Prerequisite: MFD 301 with grade of C or better; MFD 304 with grade of C or better or concurrent enrollment.*

An experiential based fashion course providing opportunities to develop various forms of productions for university and community promotions. May be repeated for a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**MFD 370 Flat Pattern**

*Prerequisite: MFD 270 with grade of C or better.*

Fundamental concepts of drafting for the basic female form and pattern manipulation techniques to develop original garments. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MFD 371 Draping**

*Prerequisite: MFD 370 with C grade or better.*

Fundamental concepts for developing original designs by using draping techniques. Full size dress forms are used for creation of basic sloper and original designs in knits and wovens. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MFD 372 Fashion Illustration**

*Prerequisite: MFD 371 with grade of C or better or junior standing.*

Creation of fashion flats and specification sheets. Students focus on the technical ability to translate a creative idea into a working blueprint. Outcomes include the portfolio for their senior collection. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MFD 400 Problems in Fashion Merchandising and Design**

Independent study for those who wish additional work in specific subject areas. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MFD 401 Internship in Fashion Merchandising**

*Prerequisite: MFD 305 and MFD 306 with grades of C or better; and permission.*

Supervised experienced in a pre-approved internship program in a related field of Product Development or Merchandising. The student must work a minimum of 240 hours for a 4 credit hour internship or a minimum of 320 hours for a 6 credit hour internship, complete the student workbook, earn a satisfactory evaluation from the internship sponsor and complete a journal.

**Credit hours:** 4-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer, Upon demand
Projected offerings

**MFD 402 Internship in Fashion Design**

*Prerequisite: MFD 305 and MFD 306 and MFD 370 and MFD 371 with grades of C or better; and permission.*

Supervised experience in a pre-approved internship program in a related field of Product Development or Design. The student must work a minimum of 240 hours for a 4 credit hour internship or a minimum of 320 hours for a 6 credit hour internship, complete the student workbook, earn a satisfactory evaluation from the internship sponsor and complete a journal.

**Credit hours:** 4-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer, Upon demand
Projected offerings

**MFD 403 Post-Internship**

*Prerequisite: MFD 401 or MFD 402 with grade of C or better or concurrent enrollment.*

Objectives include the preparation and review of the electronic and visual portfolio, updating of resume and cover letter for job placement and a review of interview and business etiquette along with personal budgeting. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Upon demand
Projected offerings

**MFD 460 Fashion Merchandise Planning**

*Prerequisite: MFD 306 with grade of C or better.*

Advanced merchandise mathematics. Apply six month merchandise plan and OTB formulas through a simulated buying experience including store planning, merchandising and marketing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MFD 470 Design Challenges**

*Prerequisite: MFD 371 with grade of C or better.*

Creation of garments using advanced flat pattern and draping techniques for a variety of merchandise classifications (menswear, children's wear, sportswear, and intimates) includes fitting and grading apparel.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MFD 560 Entrepreneurship**

*Prerequisite: MFD 460 with grade of C or better or concurrent enrollment.*

Developing a fashion business plan from concept to store opening including: target market, location, merchandising classification, human resources, cash flow sheets, profit and loss, store design, assortment planning, marketing strategies and funding. Completed business plan is critiqued by a financial industry professional A grade of C or better is required for graduation. May be taught concurrently with MFD 660. Cannot receive credit for both MFD 560 and MFD 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MFD 570 Senior Collection**

*Prerequisite: MFD 372 and MFD 470 with grades of C or better.*

Complete a fashion collection to be critiqued and juried by fashion industry professionals for a spring fashion show. A grade of C or better is required for graduation. May be taught concurrently with MFD 670. Cannot receive credit for both MFD 570 and MFD 670. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MFD 660 Entrepreneurship**

Developing a fashion business plan from concept to store opening including: target market, location, merchandising classification, human resources, cash flow sheets, profit and loss, store design, assortment planning, marketing strategies and funding. Completed business plan is critiqued by a financial industry professional A grade of C or better is required for graduation. May be taught concurrently with MFD 560. Cannot receive credit for both MFD 660 and MFD 560.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MFD 670 Senior Collection**

Complete a fashion collection to be critiqued and juried by fashion industry professionals for the spring fashion show. A grade of "C" or better is required for graduation. Supplemental course fee. May be taught concurrently with MFD 570. Cannot receive credit for both MFD 670 and MFD 570.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MFD 682 Graduate Seminar in Fashion Merchandising and Design**

*Prerequisite: 12 hours of graduate credit.*

Selected topics in clothing and textiles that involve the areas of apparel manufacturing, fashion merchandising, and management trends are systematically explored through critical analysis of literature and through an individual research project. May be repeated for credit. A total of 4 hours may be applied to a degree program.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

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https://www.missouristate.edu/registrar/catalog/courses_fi.htm

# Fashion Merchandising and Design

## Major(s)

### Fashion Merchandising and Design (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: PSY 121(3), ECO 155(3)

B. Major Requirements. Grades of C or better are required in all MFD courses to advance to the next level of coursework and to graduate from this program.

   1. Core Requirements (37 hours): MFD 101(1), 103(3), 201(3), 202(3), 210(3), 301(3), 303(3), 304(3), 305(1), 306(3), 307(3), 403(2); MKT 350(3), 351(3)

   2. Public Affairs Capstone Experience Requirement will be fulfilled by completion of MFD 304(3)and MFD 401(4) or 402(4)

   3. Complete one of the options:

      a. **Fashion Design and Product Development** (25 hours): ART 115(3); MFD 270(3), 370(3), 371(3), 372(3), 402(4), 470(3), 570(3)

      b. **Fashion Merchandising and Management** (28 hours): ACC 201(3); LAW 231(3); MFD 360(3), 361(3), 401(4), 460(3), 560(3); MGT 340(3); MKT 354(3)

         In consultation with your advisor and according to specific career interests, select additional elective hours to bring total upper division hours to 40 and total hours to 125.

C. General Baccalaureate Degree Requirements

# Department of Finance and General Business

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Finance (BS, Minor)+
BS includes options in Finance, Financial Planning, and Real Estate

Financial Planning (Minor)

General Business (BS, Minor)+

Legal Studies in Business (Minor)

Real Estate (Minor)

Risk Management and Insurance (BS, Minor)+

### Graduate

Business Administration, Master of (MBA)
Administered by the College of Business+

Finance (Certificate)

Financial Analysis (Certificate)

## Accreditation

AACSB International—The Association to Advance Collegiate Schools of Business – all programs

## General information

### Actuarial Science

Students may pursue a career as an actuary by choosing a

## Contact

**Department head**

Kent P. Ragan, PhD, CFA

**Office**

Glass Hall, Room 300

major and minor in related areas and selecting appropriate electives. Students interested in Actuarial Science typically major in Mathematics and minor in Risk Management and Insurance. Help in preparing for the early actuarial exams is available through the mathematics department. Contact the Finance and General Business Department or the Mathematics Department for more information.

## Internships

With permission, majors in the Finance and General Business Department may receive a total of one to three credit hours for approved internship experiences(s) in their major area (general business, finance, financial planning, real estate, and/or insurance.) The department's internship course is listed in the catalog as BUS 494, Internship.

**Phone**

417-836-5504

**Fax**

417-836-6224

**Email**

FinanceandGeneralBus@missouristate.edu

**Website**

www.missouristate.edu/fgb

# Finance and General Business Faculty

## Distinguished professor

Carol J. Miller, MBA, JD

## Professors

Wayne L. Anderson, MBA, JD

C. Edward Chang, PhD

Susan J. Crain, PhD

K. Stephen Haggard, PhD

Stanley A. Leasure, CPA (inactive), JD

Kent P. Ragan, PhD, CFA

## Associate professors

Jeffrey S. Jones, PhD, CFA, CPA, CMA, CFM

Walt A. Nelson, PhD

James D. Philpot, PhD, CFP

Puneet Prakash, PhD

H. Douglas Witte, PhD

Y. Jenny Zhang, PhD

## Assistant professors

Seth Hoelscher, PhD

Cedric Tressor Mbanga, DBA

## Instructors

Jana M. Ault-Phillips, JD

Kathleen O. Larkin, JD

Russell K. Meek, MBA

## Emeritus faculty

John E. Adamson, MBA, JD

Stanley R. Adamson, PhD, ARM

F. Joel Chaney, DBA

Frank L. Clark, PhD

Kee S. Kim, PhD

John K. Litvan, PhD

Ralph K. Manley, MBA

Robert W. Owens, PhD

John E. Patton, CLU, CPIM, MSEd

James B. Pettijohn, PhD

James R. Scott, PhD

George S. Swales, Jr., PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Finance and General Business Courses

## Business (BUS) courses

**BUS 135 Introduction to Business**

A survey of business which includes an evaluation of the social and economic environment in which it operates, followed by a look at business organization, management, finance, accounting, production, marketing, insurance, law, and data processing. Designed to serve three groups of students--those majoring in other departments who would like to develop a broad understanding of business through a single course; those who are undecided about a major and would like to explore business as a possibility; and those freshmen planning a major in some area of business who would like a broad understanding of business in order to make a specific selection of their major. A declared major in the College of Business who has accumulated more than 30 semester hours of credit at the time of enrollment in the course will not receive credit for the course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BUS 200 Topics in Business**

A variable content course with topics that can change from semester to semester. Topics are identified by title in the class schedule. Examples are: Personal Budgeting, Residential Home Construction, Insurance for the Family, Personal Credit Management, and Business Ethics. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BUS 303 History of Business**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

History of business; contributions of individuals and companies in evolution of modern business principles and practices.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BUS 305 Service Learning in Business**

*Prerequisite: 30 hours and concurrent registration in a Finance and General Business department course designated as a service learning offering; and undergraduate business majors must be admitted to degree program.*

This service component for an existing course incorporates community service with classroom instruction in business to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BUS 307 Business in the Community**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Study and application of business within the community. Topics include: planning and management of organizations from the viewpoint of education, community, and business; development of new business; organizational structure; interpersonal skills; funding and allocation resources of private, public and non-profit organizations. Allows for direct contact with local community leaders in education and business as well as opportunity to develop individual skills. Group dynamics and individual initiative are emphasized. May be available with BUS 305 Service Learning option and be repeated to a total of 6 hours.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BUS 394 Cooperative Education in Business**

*Prerequisite: acceptance into Cooperative Education Program and permission of department head; undergraduate business majors must be admitted to degree program.*

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. This is a variable content course that may be repeated to a total of 6 hours in Cooperative Education.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BUS 397 Topics in Business**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. Examples include: Employment Discrimination Law, Tax Planning for Real Estate Investments, and special courses in Insurance. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BUS 494 Internship**

*Prerequisite: 80 hours; academic preparation in the field of internship; permission of department head; and undergraduate business majors must be admitted to degree program.*

A variable content course. Internships to be identified by title in the schedule of classes include Finance, Financial Planning, General Business, Insurance, and Real Estate. Opportunity to obtain practical understanding through work experience with a cooperating business or financial institution, financial planning firm, insurance company or real estate firm. Employment and outline of study must be company approved prior to enrollment. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BUS 510 E-Business and Online Entrepreneurship**

*Prerequisite: 54 hours; and undergraduate business majors must be admitted to degree program.*

A study of e-business and online entrepreneurship from an applied, best practices point of view. Classroom visits by online entrepreneurs provide unique, real-world insights into the advantages, disadvantages, and challenges of doing business over the Internet. May be taught concurrently with BUS 610. Cannot receive credit for both BUS 510 and BUS 610.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BUS 550 Negotiation, Mediation, and Arbitration in Business**

*Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.*

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with LAW 550. May be taught concurrently with BUS 650. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BUS 610 E-Business and Online Entrepreneurship**

A study of e-business and online entrepreneurship from an applied, best practices point of view. Classroom visits by online entrepreneurs provide unique, real-world insights into the advantages, disadvantages, and challenges of doing business over the Internet. May be taught concurrently with BUS 510. Cannot receive credit for both BUS 610 and BUS 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BUS 650 Negotiation, Mediation, and Arbitration in Business**

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with LAW 650. May be taught concurrently with BUS 550. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

## Finance (FIN) courses

**FIN 150 Personal Finance**

A study of personal finance topics from the consumer and societal perspectives. Topics include the preparation and interpretation of personal financial statements and budgets, the time value of money, personal saving, financial market and investment fundamentals, the effective use of consumer credit, personal bankruptcy, insurance principles, automotive and housing decisions, principles of personal taxation, and retirement planning. This course will provide students with the concepts and critical thinking skills to understand the effects of financial decisions on individuals, families, and society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 266 Principles of Real Estate**

*Prerequisite: 24 hours.*

An introduction to the study of real estate. Topics covered include legal aspects of real property, real estate financing, appraisal, brokerage, land-use control, property management, and investing in real estate.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 310 Fundraising Principles and Practices for Nonprofit Agencies**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Comprehensive study of various funding sources for not-for-profit organizations. Explores relationships with umbrella organizations, techniques of fundraising, government funding, grantsmanship, budget control and accountability.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FIN 350 Entrepreneurial Finance**

*Prerequisite: ACC 201.*

This course introduces the non-business major to the finance function within the small business. Topics include financial statement analysis, financial planning and forecasting, asset valuation, the time value of money, capital budgeting, cost of capital, working capital, break-even, leverage, business plans, and venture capital. Course cannot be used to satisfy any requirement for a College of Business major. Cannot receive credit for both FIN 350 and FIN 380.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FIN 367 Principles of Real Estate Appraisal**

*Prerequisite: FIN 266; undergraduate business majors must be admitted to degree program.*

An introduction to the study of real estate appraisal. Topics covered include data collection and analysis, neighborhood and regional analysis, land and building function and description, highest and best use analysis, land valuation and improved property valuation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FIN 368 Real Estate Law**

*Prerequisite: FIN 266; and undergraduate business majors must be admitted to degree program.*

Rights and interests in land; evidence of title; co-ownership; contracts for sale of land; deeds; wills and descent; mortgages; liens; landlord and tenant; restrictions; zoning; brokers. Identical with LAW 368. May no receive credit for both FIN 368 and LAW 368.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FIN 369 Real Estate Development**

*Prerequisite: FIN 266; undergraduate business majors must be admitted to degree program.*

This course introduces the development process through its four major phases: concept, land acquisition, construction, and sales. Topics covered include project selection, debt and equity funding (obtainable from individual, institutional, and governmental sources), regulatory approval, environmental impact, and marketing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FIN 380 Financial Management**

*Prerequisite: 54 hours including ACC 201 and ACC 211 and ECO 155 and ECO 165; and QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.*

An introduction to topics in corporate financial management, including financial markets, time value of money, asset valuation, risk and return, financial analysis and forecasting, capital budgeting, sources, and costs of capital.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 381 Personal Financial Planning**

*Prerequisite: 54 hours; undergraduate business majors must be admitted to degree program.*

A course designed to introduce students to most of the major personal financial planning problems that individuals and families encounter. Emphasis is placed on the financial planner's activities to assist individuals and families in creating personal financial statements and household budgets, developing effective money management practices, and addressing taxation, housing, credit, insurance, investment, estate planning and other important finance issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 384 Financial Markets and Intermediaries**

*Prerequisite: ACC 201 and ACC 211 and ECO 155 and ECO 165; undergraduate business majors must be admitted to degree program.*

An overview of the organization and operation of major financial markets including money, bond, mortgage, equity, derivative, and international markets, and financial intermediaries including lenders, insurance companies, pension funds, investment banks, investment companies, and real estate investment trusts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 390 Intermediate Financial Management**

*Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.*

An in-depth study of corporate financial management concepts, including risk and return, valuation, financial analysis and forecasting, capital budgeting, cost of capital, capital structure, working capital, leasing, and global finance. The course utilizes electronic spreadsheets as a tool to enhance the quality of financial decisions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 480 Financial Decision Making**

*Prerequisite: FIN 390; undergraduate business majors must be admitted to degree program.*

Application of the concepts and techniques of finance to solve financial management problems faced by contemporary companies. The course emphasizes the development of financial decision-making skills through in-depth case analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 485 Investments I**

*Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.*

A survey of investment principles, investment environments, security valuation, and financial markets.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 487 Investments II**

*Prerequisite: FIN 485; and undergraduate business majors must be admitted to degree program.*

An extension of Investments I, including an in-depth study of security analysis, investment strategy, portfolio theory, risk analysis, and management. Hedging and speculating with domestic and international securities will also be explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 496 Readings in Finance**

*Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.*

Planned readings designed to intensify and supplement the area of finance.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FIN 538 Introduction to Estate Planning**

*Prerequisite: 80 hours; and undergraduate business majors must be admitted to degree program.*

Estate planning process; fundamentals of intestate distribution, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with INS 538. May be taught concurrently with FIN 638. Cannot receive credit for more than one of FIN 538, FIN 638, INS 538, or INS 638.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FIN 581 Professional Financial Planning**

*Prerequisite: ACC 321 and FIN 381 and FIN 485 and INS 211 and LAW 231; and INS 314 or concurrent enrollment; and FIN/INS 538 or ACC 524 or concurrent enrollment; and undergraduate students must be admitted to degree program.*

A case-oriented study of comprehensive financial planning for client families. This course integrates prior knowledge of financial planning principles and practice, investments, insurance, law, tax planning, retirement planning, and estate planning. Advanced topics in these subjects are also presented. The financial planning process, standards of professional practice, and planner ethics are emphasized. May be taught concurrently with FIN 681. Cannot receive credit for both FIN 581 and FIN 681.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FIN 582 International Financial Management**

*Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.*

This course is designed to survey how the key concepts of business finance can be applied in the context of a multinational firm. Topics include: the nature and functioning of the foreign exchange market, parity conditions, foreign exchange risk management, and international investment and financing decisions. May be taught concurrently with FIN 682. Cannot receive credit for both FIN 582 and FIN 682.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 586 International Financial Statement Analysis**

*Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.*

An introduction to the study of international financial statement analysis emphasizing the financial statement analysis portion of the common body of knowledge from the Chartered Financial Analyst (CFA) program. May be taught concurrently with FIN 686. Cannot receive credit for both FIN 586 and FIN 686.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 589 Management of Financial Institutions**

*Prerequisite: grade of B- or better in FIN 380; and either FIN 384 or ECO 305; and undergraduate business majors must be admitted to degree program.*

A study of the theory and practice of managing depository and non-depository financial institutions. The principal focus is asset and liability management, especially with respect to the risks associated with establishing the ideal balance between the two. Such risks include interest rate, liquidity, credit, foreign exchange and capital risk. The use of money and credit markets, as well as derivative securities to minimize risk as well as to achieve strategic financial objectives is stressed. Management implications of current developments in the interaction between financial institutions and markets are discussed. May be taught concurrently with FIN 689. Cannot receive credit for both FIN 589 and FIN 689.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 595 Financial Markets Study Tour**

*Prerequisite: FIN 384 and FIN 485; a combined (Missouri State and transfer) GPA of 3.40 or higher; recommendation of a finance faculty member; permission of department head; and undergraduate business majors must be admitted to degree program.*

The course consists of three parts; 1. Background research and discussion of selected companies and institutions of one or more major financial center(s) (e.g. New York, Chicago, and/or London) and the economic, political, international, historical, social, ethical, and cultural environment in which they function. 2. A visit of approximately seven days' duration to the financial center(s) to visit selected companies, financial markets, and cultural icons. 3. A final written project and group discussion of the experience. The course involves extensive research, written and oral reporting, and group interaction based upon trust, respect and integrity. May be taught concurrently with FIN 695. Cannot receive credit for both FIN 595 and FIN 695.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FIN 596 Research Issues and Problems: Finance**

*Prerequisite: 60 hours; and permission of department head; and undergraduate business majors must be admitted to degree program.*

Research issues and problems growing from special areas of a student's interest which may require additional depth or breadth of study. Student's proposal and outline of study must be approved prior to enrolling. May be taught concurrently with FIN 697. Cannot receive credit for more than 6 hours of FIN 596 and FIN 697 combined.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FIN 598 Financial Research and Portfolio Management**

*Prerequisite: FIN 485 and undergraduate business majors must be admitted to degree program.*

An introduction to finance industry research tools and the use of those tools to conduct in-depth security analysis and portfolio management. The course emphasizes more advanced security analysis and portfolio management techniques, aided by the use of industry accepted research tools. May be taught concurrently with FIN 698. Cannot receive credit for both FIN 598 and FIN 698.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FIN 599 Directed Study for CFA Level I Exam**

*Prerequisite: permission of instructor; and undergraduate business majors must be admitted to degree program.*

The professor and student will devise a study plan, based upon the CFA Institute's Common Body of Knowledge, that will best-prepare the student to pass the CFA Level I Exam in June of the current year. May be taught concurrently with FIN 699. Cannot receive credit for both FIN 599 and FIN 699.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**FIN 600 Managerial Finance**

*Prerequisite: ACC 600 and ECO 600; and permission of a director of a College of Business Graduate Program.*

Comprehensive study of the finance function in the business enterprise, including financial analysis-planning-forecasting, capital budgeting, leasing, working capital management, capital structure, dividend policy, and multinational finance. Designed for graduate students who have not had an undergraduate course in financial management in the last five years. This course will not be counted in the hours required for a College of Business undergraduate or graduate degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 638 Introduction to Estate Planning**

*Prerequisite: LAW 231 or LAW 600.*

Estate planning process; fundamentals of intestate distribution, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with INS 638. May be taught concurrently with FIN 538. Cannot receive credit for more than one of FIN 538, FIN 638, INS 538, or INS 638.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FIN 681 Professional Financial Planning**

*Prerequisite: ACC 321 and FIN 381 and FIN 485 and INS 211 and LAW 231; and INS 314 or concurrent enrollment; and FIN/INS 538/638 or ACC 524/624 or concurrent enrollment.*

A case-oriented study of comprehensive financial planning for client families. This course integrates prior knowledge of financial planning principles and practice, investments, insurance, law, tax planning, retirement planning, and estate planning. Advanced topics in these subjects are also presented. The financial planning process, standards of professional practice, and planner ethics are emphasized. May be taught concurrently with FIN 581. Cannot receive credit for both FIN 681 and FIN 581.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FIN 682 International Financial Management**

*Prerequisite: admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director, or a director of a graduate program within the College of Business; and grade of B- or better in FIN 380 or FIN 600.*

This course is designed to survey how the key concepts of business finance can be applied in the context of a multinational firm. Topics include: the nature and functioning of the foreign exchange market, parity conditions, foreign exchange risk management, and international investment and financing decisions. May be taught concurrently with FIN 582. Cannot receive credit for both FIN 682 and FIN 582.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 686 International Financial Statement Analysis**

*Prerequisite: admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director, or a director of a graduate program within the College of Business; and a grade of B- or better in FIN 380 or FIN 600.*

An introduction to the study of international financial statement analysis emphasizing the financial statement analysis portion of the common body of knowledge from the Chartered Financial Analyst (CFA) program. May be taught concurrently with FIN 586. Cannot receive credit for both FIN 686 and FIN 586.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 689 Management of Financial Institutions**

*Prerequisite: grade of B- or better in FIN 380; and either FIN 384 or ECO 305.*

A study of the theory and practice of managing depository and non-depository financial institutions. The principal focus is asset and liability management, especially with respect to the risks associated with establishing the ideal balance between the two. Such risks include interest rate, liquidity, credit, foreign exchange and capital risk. The use of money and credit markets, as well as derivative securities to minimize risk as well as to achieve strategic financial objectives is stressed. Management implications of current developments in the interaction between financial institutions and markets are discussed. May be taught concurrently with FIN 589. Cannot receive credit for both FIN 589 and FIN 689.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 695 Financial Markets Study Tour**

*Prerequisite: a graduate GPA (Missouri State and transfer) of 3.50 or higher; recommendation of a finance faculty member; permission of department head.*

The course consists of three parts; 1. Background research and discussion of selected companies and institutions of one or more major financial center(s) (e.g. New York, Chicago, and/or London) and the economic, political, international, historical, social, ethical, and cultural environment in which they function. 2. A visit of approximately seven days' duration to the financial center(s) to visit selected companies, financial markets, and cultural icons. 3. A final written project and group discussion of the experience. The course involves extensive research, written and oral reporting, and group interaction based upon trust, respect and integrity. May be taught concurrently with FIN 595. Cannot receive credit for both FIN 695 and FIN 595.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FIN 697 Research Issues and Problems: Finance**

*Prerequisite: permission of department head.*

Research issues and problems growing from special areas of a student's interest which may require additional depth or breadth of study. Student's proposal and outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with FIN 596. Cannot receive credit for more than 6 hours of FIN 596 and FIN 697 combined.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FIN 698 Financial Research and Portfolio Management**

*Prerequisite: FIN 485 or FIN 785.*

An introduction to finance industry research tools and the use of those tools to conduct in-depth security analysis and portfolio management. The course emphasizes more advanced security analysis and portfolio management techniques, aided by the use of industry accepted research tools. May be taught concurrently with FIN 598. Cannot receive credit for both FIN 698 and FIN 598.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FIN 699 Directed Study for CFA Level I Exam**

*Prerequisite: permission of instructor.*

The professor and student will devise a study plan, based upon the CFA Institute's Common Body of Knowledge, that will best-prepare the student to pass the CFA Level I Exam in June of the current year. May be taught concurrently with FIN 599. Cannot receive credit for both FIN 699 and FIN 599.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**FIN 780 Advanced Financial Management**

*Prerequisite: admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director, or a director of a graduate program within the College of Business; and ACC 711; and a grade of B- or better in FIN 600.*

An advanced study of the theory and practice of corporate financial management, including financial analysis and forecasting, working capital, capital budgeting, cost of capital, capital structure, mergers and acquisitions, and valuation. The course utilizes cases to emphasize both theory and technology in supporting sound financial decision-making.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 785 Investment Management**

*Prerequisite: FIN 780.*

A study of investment theory and practice. Topics include portfolio theory, equilibrium in capital markets, equity and fixed income security analysis, derivatives (options, futures, swaps), portfolio management and strategies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FIN 787 Seminar in Derivatives**

*Prerequisite: FIN 780.*

A study of the fundamentals, pricing, and trading strategies of options, forwards, futures and swaps. Emphasis is placed on the modeling tools most widely used for calculating their prices and related hedging parameters. The course includes an exploration of current/relevant literature concerning market mechanics, participants, and government regulation. Each student will participate in the preparation of a significant team project and presentation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FIN 788 Healthcare Financial Management**

An introduction to fundamental financial management concepts and skills necessary for managers at a variety of levels in healthcare organizations. The course provides an overview of financial management and how the finance function is organized in healthcare organizations. Topics covered include: tax status, third-party payers, payment methodologies, Medicare and Medicaid, cost accounting and analysis, rate setting, working capital, accounts receivable, budgeting, and financial analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FIN 790 Seminar in Finance**

*Prerequisite: 15 graduate hours in business administration and economics including FIN 780 and permission of the coordinator of graduate studies.*

Critical evaluation and interpretation of research and literature in finance.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FIN 794 Internship: Finance**

*Prerequisite: permission of the director of the appropriate graduate program and department head.*

In consultation with the coordinating professor, the student is engaged in on-the-job experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FIN 796 Independent Study: Finance**

*Prerequisite: permission of the director of the appropriate graduate program and department head.*

In consultation with the advisor, student selects for intensive study a specific area of concern related to the student's program with emphasis on research.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

## Insurance (INS) courses

**INS 211 Insurance**

*Prerequisite: 24 hours.*

Principles and functions of property, casualty and life insurance with applications in both personal and business situations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**INS 312 Life Insurance**

*Prerequisite: INS 211; undergraduate business majors must be admitted to degree program.*

Nature and types of life insurance and annuity contracts insuring human life values for business and personal purposes; principles underlying the calculation of life insurance and annuity premiums, reserves, nonforfeiture values and dividends; introduction of group life insurance, pensions, health, social insurance, settlement options, taxation as related to life insurance programming.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**INS 313 Property and Liability Insurance**

*Prerequisite: INS 211; undergraduate business majors must be admitted to degree program.*

Analysis and application of risk and insurance principles to direct and consequential losses in fire, marine, inland marine, multiple-line coverages, liability, workers' compensation, fidelity, surety, and crime perils.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**INS 314 Employee Benefits and Social Insurance**

*Prerequisite: 30 hours; undergraduate business majors must be admitted to degree program.*

The study of group life and health insurance, retirement programs, Social Security, and other social insurance programs as devices to mitigate economic losses from death, disability, medical costs, retirement, and unemployment in relation to personal and business risk problems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**INS 397 Topics in Insurance**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Students taking course as independent study, readings, or professional designation courses must obtain department head approval prior to enrollment. A variable content course to intensify and supplement the study of insurance, designed for students desiring to develop toward professional competence in property/casualty, risk management, life/health, employee benefits, financial services, and insurance-related areas. Course design may include independent study, readings, professional designation courses, and/or traditional classroom work. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**INS 415 Risk Management**

*Prerequisite: 80 hours including INS 211; undergraduate business majors must be admitted to degree program.*

Identifying and analyzing the loss exposures. Developing alternative techniques for treating each exposure with emphasis on risk control and risk financing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**INS 538 Introduction to Estate Planning**

*Prerequisite: 80 hours; and undergraduate business majors must be admitted to degree program.*

Estate planning process; fundamentals of intestate distribution, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with FIN 538. May be taught concurrently with INS 638. Cannot receive credit for more than one of FIN 538, FIN 638, INS 538, or INS 638.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**INS 638 Introduction to Estate Planning**

*Prerequisite: LAW 231 or LAW 600.*

Estate planning process; fundamentals of intestate distribution, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with FIN 638. May be taught concurrently with INS 538. Cannot receive credit for more than one of FIN 538, FIN 638, INS 538, or INS 638.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

## Law (LAW) courses

**LAW 231 Legal Environment of Business**

*Prerequisite: 24 hours.*

Ethical and legal issues in the domestic and international regulatory environment of business. Foundations of legal reasoning, case analysis, legal dispute resolution and reporting, court systems and sources of law. Substantive areas of torts, contracts, sales, products liability and consumer rights and remedies. Contemporary legal issues explored in such areas as: regulation of environmental practices, deceptive advertising, debt collection, employment, anti-trust and computer law.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LAW 332 Debtor and Creditor Rights and Remedies**

*Prerequisite: LAW 231; undergraduate business majors must be admitted to degree program.*

Legal aspects of financial transactions. The rules of law governing financial transactions in today's business and personal affairs. Topical areas include commercial paper, secured transactions, and bankruptcy.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LAW 335 Business Enterprises, Rights/Liabilities**

*Prerequisite: LAW 231 and undergraduate business majors must be admitted to degree program.*

Legal alternatives in the structuring of the business enterprise and its relationship with employees. Topical areas include personal property, bailments, real property, leaseholds, intellectual property rights, franchises, sole proprietorships, partnerships, corporations, LLC's, agency and employment law. Cannot receive credit for both LAW 335 and LAW 532.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LAW 341 Legal Research and Writing**

*Prerequisite: LAW 231; undergraduate business majors must be admitted to degree program.*

Use of primary and secondary legal sources and indexes are examined, including state and federal statutes, government regulations, cases, Shepard's, Missouri Practice series, law reviews and legal encyclopedias; types of legal writing are introduced; research techniques are applied to case analysis and legal writing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**LAW 368 Real Estate Law**

*Prerequisite: FIN 266; and undergraduate business majors must be admitted to degree program Rights and interests in land; evidence of title; co-ownership; contracts for sale of land; deeds; wills and descent; mortgages; liens; landlord and tenant; restrictions; zoning; brokers.*

Identical with FIN 368. Cannot receive credit for both LAW 368 and FIN 368.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**LAW 531 Labor Law and Employment Discrimination**

*Prerequisite: LAW 231; and undergraduate business majors must be admitted to degree program.*

Legal, regulatory, and ethical issues related to employer-employee relationship, including employment-at-will doctrine, discrimination and union contracts. May be taught concurrently with LAW 631. Cannot receive credit for both LAW 531 and LAW 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**LAW 532 Legal Environment of Business Organizations for Professionals**

*Prerequisite: LAW 231; and 90 hours; and undergraduate business majors must be admitted to degree program.*

Agency and employment responsibilities and liabilities facing new and traditional forms of business organizations are compared, along with selected tax and security regulation issues. Personal and real property concepts are examined, along with environmental exposure issues. Selected contract and UCC concepts are reviewed. Issue recognition, problem analysis approach and testing mechanisms are especially appropriate for individuals taking the CPA or other professional exams. Cannot receive credit for both LAW 532 and LAW 335. May be taught concurrently with LAW 632. Cannot receive credit for both LAW 532 and LAW 632.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LAW 537 Environmental Regulation**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Laws and government environmental regulation of air, water and soil quality, energy resources, solid and toxic waste disposal, storage tanks, toxic torts, labeling of toxic substances, recycling; ethical, public policy and international implications such regulations pose for business practices, natural resource utilization, health quality and biodiversity. May be taught concurrently with LAW 637. Cannot receive credit for both LAW 537 and LAW 637.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**LAW 539 Legal Regulation of International Commerce**

*Prerequisite: LAW 231; and undergraduate business majors must be admitted to degree program.*

Legal and ethical issues associated with doing business in a global economy. Difference in approach to contracting and merchandising; product standards, protection and liability; trade barriers and regulation of business practices. May be taught concurrently with LAW 639. Cannot receive credit for both LAW 539 and LAW 639.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LAW 550 Negotiation, Mediation, and Arbitration in Business**

*Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.*

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with BUS 550. May be taught concurrently with LAW 650. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LAW 600 Legal Environment for Business Managers**

*Prerequisite: permission of a director of a College of Business Graduate Program.*

Contemporary legal and ethical issues encountered by business managers will be discussed, including issues related to torts, vicarious liability, products liability issues; formation and enforcement of contracts and sale of goods; regulatory environment affecting employment practices/discrimination, product advertising and environmental responsibility; economic development issues associated with environmental sustainability, property rights, constitutional law and city planning. Agency liabilities and fiduciary responsibilities of agents and managers in business organizations will be examined. An overview of the court system and legal dispute resolution mechanisms will be integrated. This course is primarily intended for MBA students who do not have equivalent undergraduate business law course work, and this course will not be counted in the hours required for a College of Business graduate degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring (even-numbered years)
Projected offerings

**LAW 631 Labor Law and Employment Discrimination**

*Prerequisite: LAW 231 or LAW 600.*

Legal, regulatory, and ethical issues related to employer-employee relationship, including employment-at-will doctrine, discrimination and union contracts. May be taught concurrently with LAW 531. Cannot receive credit for both LAW 631 and LAW 531.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**LAW 632 Legal Environment of Business Organizations for Professionals**

*Prerequisite: LAW 231 or LAW 600.*

Agency and employment responsibilities and liabilities facing new and traditional forms of business organizations are compared, along with selected tax and security regulation issues. Personal and real property concepts are examined, along with environmental exposure issues. Selected contract and UCC concepts are reviewed. Issue recognition, problem analysis approach and testing mechanisms are especially appropriate for individuals taking the CPA or other professional exams. May be taught concurrently with LAW 532. Cannot receive credit for both LAW 632 and LAW 532.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LAW 637 Environmental Regulation**

Laws and government environmental regulation of air, water and soil quality, energy resources, solid and toxic waste disposal, storage tanks, toxic torts, labeling of toxic substances, recycling; ethical, public policy and international implications such regulations pose for business practices, natural resource utilization, health quality and biodiversity. May be taught concurrently with LAW 537. Cannot receive credit for both LAW 637 and LAW 537.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**LAW 639 Legal Regulation of International Commerce**

*Prerequisite: LAW 231 or LAW 600.*

Legal and ethical issues associated with doing business in a global economy. Difference in approach to contracting and merchandising; product standards, protection and liability; trade barriers and regulation of business practices. May be taught concurrently with LAW 539. Cannot receive credit for both LAW 639 and LAW 539.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LAW 650 Negotiation, Mediation, and Arbitration in Business**

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with BUS 650. May be taught concurrently with LAW 550. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LAW 730 Seminar: Contemporary Legal Issues**

*Prerequisite: LAW 231 or LAW 600.*

In-depth study of selected contemporary legal issues and their impact on the environment of business. Exploration of legal resources relevant to the topics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LAW 733 Legal Regulation of Competition and Monopoly**

*Prerequisite: LAW 231 and LAW 335; or LAW 600.*

Evolution of legal theory regarding governmental regulation of business. The judicial application of laws relating to anti-trust, price discrimination, entry regulation, rate making.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

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# Finance

## Major(s)

## Finance (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements (32-33 hours)

1. FIN 384(3), 390(3), 485(3); INS 211(3); LAW 335(2) or 532(3)

2. Complete one of the following options:

a. **Finance:**

1. FIN 266(3); FIN 487(3) or 598(3); 586(3)*

2. Complete one of the following: FIN 480(3), 589(3), 599(3)

3. Complete six additional hours from the following: FIN 381(3), 480(3), 496(1-2), 582(3), 589(3), 595(3), 599(3)

Recommended electives (not required): ACC 321(3), 524(3); BUS 307(2), BUS 550/LAW 550(3); INS 312(3); FIN 367(3), 369(3), FIN 538/INS 538(3); ECO 365(3), 385(3), 586(3)

** Students who have completed both ACC 301 and ACC 302 may waive FIN 586. Waiver of FIN 586 does not waive any hours on the COB globalization requirement.*

b. **Financial Planning:**

1. ACC 321(3)

2. FIN 381(3), FIN 538/INS 538(3), FIN 581(3); INS 312(3), 314(3)

Recommended electives (not required): ACC 524(3), 525(3); BUS 550/LAW 550(3); COM 326(3); FIN 266(3), 487(3); INS 313(3)

c. **Real Estate:**

1. FIN 266(3), 367(3), FIN 368/LAW 368(3), FIN 369(3)

2. Complete six additional hours from the following: AGB 354(2); BUS 550/LAW 550(3); ECO 450(3); GRY 322(3); INS 313(3); PLN 371(3), 571(3); TCM 121(3), 122(3), 221(3), 320(3).

   Recommended electives (not required): AGP 333(3); HID 140(3), 241(3); MKT 352(3),

D. General Baccalaureate Degree Requirements

## Minor(s)

## Finance

Bachelor of Arts
Bachelor of Science

A. FIN 380(3), 384(3), 485(3)

B. Complete six additional hours from the following: FIN 381(3), 390(3), 480(3), 487(3), 582(3), 586(3)*, 589(3)

   **Students who have completed both ACC 301 and ACC 302 may waive FIN 586.*

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both

the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Financial Planning

## Minor(s)

### Financial Planning

Bachelor of Arts

Bachelor of Science

A. ACC 321(3); FIN 381(3), 485(3); FIN 538/INS 538(3) or ACC 524(3); FIN 581(3); INS 314(3)

# General Business

## Major(s)

## General Business (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements (32-33 hours)

1. INS 211(3); LAW 335(2) or 532(3)

2. Complete one of the following: ENG 321(3); JRN 270(3); MGT 397(3)

3. Complete a minimum of 24 hours from at least five of the following areas:

   a. Accounting: ACC 301(3), 302(3), 311(3), 321(3), 513(3), 524(3), 532(3)

   b. Business Relationships: BUS 550/LAW 550(3); LAW 341(3); MGT 486(3)

   c. Computer Information Systems: CIS 205(3), 260(3), 290(3), 365(3), 370(3), 475(3)

   d. Finance: BUS 510(3); FIN 381(3), 384(3), 390(3), 485(3), 586(3)

   e. International: FIN 582(3); LAW 539(3); MGT 447(3); MKT 474(3)

   f. Management: LAW 531(3); MGT 345(3), 384(3), 561(3); TCM 337(3), 359(3), 456(3)

   g. Marketing: MKT 351(3), 352(3), 354(3), 355(3), 365(3), 510(3)

   h. Real Estate: FIN 266(3), 367(3), FIN 368/LAW 368(3), FIN 369(3)

   i. Risk Management and Insurance: FIN 538/INS 538(3); INS 312(3), 313(3), 314(3), 415(3); LAW 537(3)

   Recommended electives (not required): AGB 354(2); BUS 303(2), 307(2); ECO 305(3), 586(3); GRY 321(3); PSY 359(3), 525(3); SOC 150(3), 309(3)

D. General Baccalaureate Degree Requirements

## Minor(s)

## General Business

Bachelor of Arts
Bachelor of Science

A. ACC 201(3)*, 211(3)*; BUS 135(3); CIS 201(3); LAW 231(3)

B. Complete six additional hours from the following: BUS 200(3) or 397(3); BUS 550 or LAW 550(3); FIN 266(3), 380(3), 381(3), 384(3); INS 211(3), LAW 332(1), 335(2), 531(3); MGT 286(3), 320(3), 340(3), 341(3), 486(3); MKT 150(3) or 350(3); MKT 355(3); QBA 237(3)

**ACC 206(4) may substitute for ACC 201 and ACC 211.*

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Legal Studies in Business

## Minor(s)

### Legal Studies in Business

Bachelor of Arts
Bachelor of Science

A. LAW 231(3), 332(1); 335(2) or 532(3); 341(3)

B. Complete 12 additional hours from the following which must include a minimum of 6 hours from Group 1 and 3 hours from Group 2:

   1. Group 1 (business courses): ACC 321(3), 524(3); BUS 550/LAW 550(3); FIN 368/LAW 368(3); FIN 538/INS 538(3); FIN 596(1-3); INS 211(3), 314(3); LAW 531(3), 537(3), 539(3)

   2. Group 2 (non-business courses): AGB 314(3); PHI 340(3); PLS 419(3), 515(3), 517(3); PSY 320(3); SFR 581(2)

# Real Estate

## Minor(s)

### Real Estate

Bachelor of Arts
Bachelor of Science

A. FIN 266(3), 367(3), FIN 368/LAW 368(3), FIN 369(3)

B. Complete six additional hours from the following: AGB 354(2); AGP 333(3); BUS 550/LAW 550(3); ECO 450(3); GRY 322(3); HID 140(3), 241(3); INS 211(3) or 313(3); MKT 352(3); PLN 371(3), 571(3); TCM 121(3), 122(3), 221(3), 320(3)

# Risk Management and Insurance

## Major(s)

### Risk Management and Insurance (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements (31-32 hours)

1. FIN 266(3), 384(3), 485(3); INS 211(3), 312(3), 313(3), 415(3); LAW 335(2) or 532(3); FIN 390(3) or QBA 337(3)

2. Complete five additional hours from the following: ACC 321(3); BUS 550/LAW 550(3); FIN 367(3), 381(3), FIN 538/INS 538(3); INS 314(3), 397(1-6)*

   ** Students may not apply more than two hours of INS 397 toward the five hour requirement.*

D. General Baccalaureate Degree Requirements

## Minor(s)

### Risk Management and Insurance

Bachelor of Arts
Bachelor of Science

A. BUS 135(3); INS 211(3), 312(3), 313(3)

B. Complete six additional hours from the following: BUS 550/LAW 550(3); FIN 266(3), 381(3), 485(3), FIN 538/INS 538(3); INS 314(3), 397(1-6), 415(3); MKT 350(3); MTH 541(3), MTH 543(3), MTH 546(3), MTH 547(3), MTH 548(3)

Students wishing to pursue the Actuary Science program, which consists of a major in mathematics and a minor in Risk Management and Insurance, should contact the Department of Mathematics to declare their major and The Business Advisement Center to declare their minor.

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Management and Information Technology

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Computer Information Systems (BS, Minor)+

Cybersecurity (Minor)

Data Analytics (Minor)

Entertainment Management (BS)+

Entrepreneurial Studies (Minor)

Entrepreneurship (BS, Minor)+

Entrepreneurship (Certificate)

Human Resources Management/Industrial-Relations (Minor)

Information Technology Service Management (BS, Minor)+

International Management (Minor)

Leadership (Minor)

Management *Options: Administrative Management, Human Resources Management, International Business Administration (BS)*+

Management (Minor)

Web Application Development (Minor)

### Graduate

Business Administration, Master of (MBA) Administered by the College of Business+

Computer Information Systems (MS) - not currently accepting applications

Computer Information Systems (Certificate)

Cybersecurity (MS)+

Entrepreneurship (Certificate)

Health Administration, Master of (MHA)+

Health Administration (Certificate)

International Business (Certificate)

Leadership (Certificate)

Cybersecurity (Certificate)

Data Analytics (Certificate)

Management (Certificate)

## Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

## General information

### Health care management

Health Care Management courses and a Health Care Management minor are offered through the School of Nursing.

## Contact

**Department head**

Joshua M. Davis, PhD

**Office**

Glass Hall, Room 414

**Phone**

417-836-5415

**Fax**

417-836-3004

**Email**

mit@missouristate.edu

**Website**

mit.missouristate.edu

# Management and Information Technology Faculty

## Professors

Tonya B. Barrier, PhD

S. Berlin Brahnam, PhD

Joshua M. Davis, PhD

Richard A. Johnson, PhD

Rajeev Kaula, PhD

Thomas M. Margavio, PhD

David B. Meinert, PhD

Stephen Mueller, PhD

Dane K. Peterson, PhD

Elizabeth J. Rozell, PhD

Randall S. Sexton, PhD

Wesley A. Scroggins, PhD

Steven L. Thomas, PhD

Barry L. Wisdom, PhD

## Associate professors

Vinay K. Garg, PhD

Dana L. Haggard, PhD

Philip C. Rothschild, PhD

## Assistant professors

## Instructors

Michael A. Albritton, MA

Rebekah E. Austin, MS

Richard L. Burton, MBA

Dana J. Frederick, MBA

Radhika Kaula, MBA

Patrick R. Sells, MBA

## Emeritus faculty

Yohannan T. Abraham, PhD

James T. Brown, EdD

Karen L. Brown, DBA

Jerry M. Chin, DBA

William R. Cornette, PhD

Mary K. Coulter, PhD

Ronald S. Dattero, PhD

D. Keith Denton, PhD

Kenneth D. Douglas, PhD

Patricia Feltes, PhD

Irene A. Francka, EdS

Lois M. Garrett, MEd

Rick L. Brattin, PhD

Jason D. DeBode, PhD

Benjamin D. Goss, EdD

Melody B. LaPreze, PhD

Lori T. Peterson, PhD

Kangkang Qi, MS

Feibo Shao, PhD

Zhiguo Yang, MBA

## Clinical assistant professor

Michael W. Merrigan, MBA, JD

## Senior instructors

Joyce E Lopez, MSEd

Glenn R. Pace, MBA

Cathy A. Van Landuyt, PhD

Michael A. Hignite, PhD

Kenneth Horn, EdD

Thomas H. Inman, EdD

Neva W. Johnson, MEd

Chung S. Kim, PhD

Patricia A. Lambert, MBA

Robert O. Lunn, PhD

David J. Meinhardt, DBA

Duane R. Moses, PhD

Mona (Casady) Niewald, PhD

Arnola C. Ownby, EdD

Heide R. Perreault, EdD

Peter Richardson, PhD

John W. Satzinger, PhD

Jean C. Swanson, PhD

Robert L. Trewatha, PhD

Glenna M. Vanderhoof, PhD

Bobby C. Vaught, PhD

Lynn E. Wasson, EdD

Ralph W. Williams, PhD

Ann L. Wilson, MBA

Karen Lee Woodall, EdD

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Undergraduate Catalog



# Management and Information Technology Courses

## Computer Information Systems (CIS) courses

**CIS 195 Introduction to Desktop Publishing**

Introduction to desktop publishing concepts and applications.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CIS 200 Critical and Creative Thinking Using Information Technology**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

Students learn and apply techniques that support critical and creative thinking when solving individual and public policy problems using information technology. Case studies with applied, real-world examples are used throughout. Instructional methods include lecture, discussion, demonstration, guided practice, and technology-supported collaboration. Course sections are offered via online, blended, and traditional modalities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 201 Computer Applications for Business**

*Prerequisite: CIS 200.*

A study of the use and applications of computer information systems concepts in business and public organizations. The course emphasizes the use of spreadsheet software to plan, analyze, design, develop and test business solutions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 205 Web Site Design and Development**

A study of the design and development of web sites using HTML editors (such as Microsoft FrontPage or Macromedia Dreamweaver). Graphics packages and multimedia packages. The student will learn to create and deploy professional-grade web sites.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 260 Introduction to Java Programming**

Introduction to the key concepts of object technology and the fundamentals of the Java programming language. Projects using Java involve the development of elementary applications.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 262 Mobile App Development**

*Prerequisite: CIS 260.*

This course introduces students to programming technologies, design, and development related to mobile applications. Topics include accessing device capabilities, industry standards, operating systems, and programming for mobile applications using a standard Software Development Kit (SDK). Upon completion, students should be able to create basic applications for mobile devices.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 266 Introduction to .Net Development with C#**

*Prerequisite: CIS 260.*

This course is an introduction to the study of object technology using the C# programming language. Topics include graphical user interfaces, event handling, exception handling, inheritance, and file I/O.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 290 Advanced Microcomputer Applications**

Emphasis on problem-solving activities using advanced applications such as word processing, desktop publishing, database, graphics, and multimedia.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 330 Networking and Linux OS**

*Prerequisite: CIS 260; and undergraduate business majors must be admitted to degree program.*

A study of (1) beginning to intermediate computer networking, and (2) the Linux operating system and shell scripting.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 370 Introduction to Web Development**

*Prerequisite: CIS 260 and undergraduate business majors must be admitted to degree program.*

Introduction to the development of web-based computer applications. Provides extensive hands-on experience of an introductory nature in several important web technologies such as HTML, XHTML, CSS, XML, ASP, and scripting languages (e.g., JavaScript and/or VBScript).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CIS 388 Information Systems Analysis and Design**

*Prerequisite: CIS 260; and undergraduate business majors must be admitted to degree program.*

A study of the analysis and design of computer information systems emphasizing UML and agile development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 394 Cooperative Education in CIS**

*Prerequisite: acceptance into Cooperative Education Program and permission of department head; and undergraduate business majors must be admitted to degree program.*

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours in Cooperative Education.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CIS 395 Database Management Systems Concepts and Design**

*Prerequisite: CIS 266 or CIS 370; and CIS 388 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.*

Study of database design, development and management concepts and techniques. Emphasis on data modeling using entity-relationship and/or UML diagrams. Discussion and application of SQL to develop and query databases. Completion of a major study project is required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 396 Readings in Computer Information Systems**

*Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.*

Planned readings designed to intensify and supplement an area of computer information systems or business education.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CIS 397 Topics in Computer Information Systems**

*Prerequisite: permission; and undergraduate business majors must be admitted to degree program.*

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CIS 420 IT Services Project Management**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

A study of the concepts, practices, processes, tools, techniques and resources used to manage the entire life cycle of IT service projects. The importance of financial budgeting, accounting, and reporting will be stressed. Case studies will be used extensively.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CIS 429 Information Systems with Business Intelligence**

*Prerequisite: CIS 201; and undergraduate business majors must be admitted to degree program.*

An understanding of how information technology and systems are utilized in business organizations. Explore the impact of information technology and systems in facilitating business operations to accomplish business goals, improve interaction with external partners or constituents, improve organizational efficiency, achieve competitive advantage, and gain competitive insight for decision making. Topics include enterprise systems, systems development, hardware/software concepts, networking concepts, database and data warehouse concepts, business intelligence impact, and e-business concepts. Cannot be taken for credit by a Computer Information Systems major.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 461 Strategic Management Information Systems with Business Intelligence**

*Prerequisite: undergraduate majors must be admitted to degree program.*

The role of Information Technology (IT)/Information Systems (IS) as a key contributor to the success of the contemporary organization and the relationships that exist between the IT/IS function and other organization units is emphasized. The course focuses on the effective management of the IT/IS function and related topics such as the relationship of technology use and the globalization of trade, the benefits of business intelligence and analytics, the use of IT for competitive advantage, and how technology may affect supply and value chain management, enterprise planning, etc.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 466 Advanced .Net Development with C#**

*Prerequisite: CIS 395 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.*

Advanced methods and techniques of designing and implementing Windows software applications using C#. Case study will provide a framework for developing working prototypes of business applications using a graphical user interface, object-oriented language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 475 Advanced Web Development**

*Prerequisite: CIS 395 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.*

Continuing coverage of the key concepts of developing intermediate to advanced web applications. Provides extensive hands-on experience of an advanced nature in several important web technologies and frameworks such as HTML, CSS, AJAX, Ruby, Ruby on Rails, and scripting languages (e.g., JavaScript).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CIS 494 Internship in Computer Information Systems**

*Prerequisite: CIS 466 or CIS 475; and permission of department head; and undergraduate business majors must be admitted to degree program.*

Work-study program with cooperating employers. Class or conference study of problems encountered by the student; on-the-job application of principles with analysis and improvement of work operations. A significant course project is required. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CIS 528 Database Application Development with Oracle**

*Prerequisite: CIS 466 or CIS 475; and undergraduate business majors must be admitted to degree program.*

Application of database principles toward the development of a business information system. Emphasis will be on the design, construction, testing, and installation of a comprehensive database application using Oracle DBMS, SQL, Pl/SQL, HTML, or other data access tools. A significant course project is required, and may be an individual or group project. May be taught concurrently with CIS 628. Cannot receive credit for both CIS 628 and CIS 528.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 535 Machine Learning**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

An introduction to machine learning, data mining, and statistical pattern recognition. The course will also cover recent applications of machine learning, such as speech recognition, bankruptcy, credit fraud, customer churn, cancer predictions, and facial recognition. Software will be provided for hands-on experience using a feed-forward neural network optimized with a genetic algorithm for business analytics. May be taught concurrently with CIS 635. Cannot receive credit for both CIS 535 and CIS 635.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 545 Data Infrastructure for Data Analytics**

*Prerequisite: QBA 237; and undergraduate business majors must be admitted to degree program.*

This course focuses on emerging issues surrounding the modern data infrastructures that enable data analytics. Students will explore the challenges of working with Big Data (large, diverse datasets that often include varied data types and streaming data) in addition to traditional data infrastructures such as data warehouses. They will become familiar with capturing data from contemporary sources such as web and social media, mobile and sensors, and a variety of large, publically available datasets. Various data management techniques will be explored, including distributed file systems and associated query methods. The goal of this course is to prepare students to assess and recommend large-scale information storage and retrieval components which enable data analytics. May be taught concurrently with CIS 645. The graduate level (645) students will have a significant research project required above and beyond the undergraduate level (545) students. Cannot receive credit for both CIS 545 and CIS 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 555 Data Visualization**

*Prerequisite: QBA 237; and undergraduate business majors must be admitted to degree program.*

This course introduces data visualization concepts, principles, techniques and tools. Data visualization is an effective approach to discover insights from data. It is a necessary component in the skills portfolio of a data analytics professional. Students will learn relevant principles from fields such as psychology and human computer interaction. This course is designed as hands-on, experience oriented. The principles, concepts, ideas and insights discovering are taught by using data visualization software. The designed learning outcome is that students are able to (1) interpret and explain commonly used data visualization presentations, (2) suggest visualization methods for specific decision making purpose, (3) understand special features of visualization formats such as possible biases that readers may be subject to, and (4) use a software package to design and implement a visualization project. May be taught concurrently with CIS 655. The graduate level (655) students will have a significant research project required above and beyond the undergraduate level (555) students. Cannot receive credit for both CIS 555 and 655.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 560 Fundamentals of Cybersecurity**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

The course is an introduction to the basic issues in computer security. While technical in nature, this course is introductory in its approach in that the student is not required to have an extensive background in programming or technical support. May be taught concurrently with CIS 660. Cannot receive credit for both CIS 560 and CIS 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 564 Hacker Techniques and Incident Response**

*Prerequisite: CIS 560 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.*

This hands-on course provides an introduction to tools and techniques used by hackers to penetrate corporate networks. Topics include vulnerabilities of operating systems, incident-handling methods, and an overview of the process and methodologies used in penetration testing including ethical and legal implications. May be taught concurrently with CIS 664. Cannot receive credit for both CIS 564 and CIS 664.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 581 Foundations of Information Technology Service Management (ITSM)**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Essential concepts of Information Technology (IT) Service Management. IT Service Management provides for the effective and efficient delivery of IT services in support of changing business needs. May be taught concurrently with CIS 681. Cannot receive credit for both CIS 581 and CIS 681.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 582 Lean IT**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Lean principles to manage IT with an emphasis on the reduction of waste and providing value to customers. Additional principles from Lean Six Sigma, continual improvement, IT Service Management, and other relevant areas will be covered. Course requires students to complete a project analyzing one or more of the existing IT processes of an organization. May be taught concurrently with CIS 682. Can receive credit for only one of the following courses: CIS 381 and CIS 582 and CIS 682.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 583 Cloud Computing**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

A study of the concepts and applications of cloud computing. Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g. networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. May be taught concurrently with CIS 683. Cannot receive credit for both CIS 583 and CIS 683.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CIS 591 Information Systems Development**

*Prerequisite: CIS 466 or CIS 475; and undergraduate business majors must be admitted to degree program.*

Independent analysis, design and development of an information system in a field of the student's choice. With the instructor's approval, the system can be developed in a language and on a machine of the student's choice. A significant course project is required, and may be an individual or group project. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 596 Problems in Business Computer Information Systems**

*Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.*

Technical or professional problems growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 3 hours. May be taught concurrently with CIS 696. Cannot receive credit for both CIS 696 and CIS 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CIS 600 Information Systems in Business Organizations**

*Prerequisite: permission of a director of a College of Business graduate program.*

Comprehensive study of the fundamentals of business information systems. Designed for graduate students who have not had undergraduate information systems courses. Will not be counted in the hours required for a College of Business graduate degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 628 Database Application Development with Oracle**

*Prerequisite: CIS 466 or CIS 475 or permission of a director of a College of Business graduate program.*

Application of database principles toward the development of a business information system. Emphasis will be on the design, construction, testing, and installation of a comprehensive database application using Oracle DBMS, SQL, Pl/SQL, HTML, or other data access tools. A significant course project is required, and may be an individual or group project. May be taught concurrently with CIS 528. Cannot receive credit for both CIS 628 and CIS 528.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 635 Machine Learning**

An introduction to machine learning, data mining, and statistical pattern recognition. The course will also cover recent applications of machine learning, such as speech recognition, bankruptcy, credit fraud, customer churn, cancer predictions, and facial recognition. Software will be provided for hands-on experience using a feed-forward neural network optimized with a genetic algorithm for business analytics. May be taught concurrently with CIS 535. Cannot receive credit for both CIS 535 and CIS 635.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 645 Data Infrastructure for Data Analytics**

This course focuses on emerging issues surrounding the modern data infrastructures that enable data analytics. Students will explore the challenges of working with Big Data (large, diverse datasets that often include varied data types and streaming data) in addition to traditional data infrastructures such as data warehouses. They will become familiar with capturing data from contemporary sources such as web and social media, mobile and sensors, and a variety of large, publically available datasets. Various data management techniques will be explored, including distributed file systems and associated query methods. The goal of this course is to prepare students to assess and recommend large-scale information storage and retrieval components which enable data analytics. May be taught concurrently with CIS 545. The graduate level (645) students will have a significant research project required above and beyond the undergraduate level (545) students. Cannot receive credit for both CIS 645 and CIS 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 655 Data Visualization**

This course introduces data visualization concepts, principles, techniques and tools. Data visualization is an effective approach to discover insights from data. It is a necessary component in the skills portfolio of a data analytics professional. Students will learn relevant principles from fields such as psychology and human computer interaction. This course is designed as hands-on, experience oriented. The principles, concepts, ideas and insights discovering are taught by using data visualization software. The designed learning outcome is that students are able to (1) interpret and explain commonly used data visualization presentations, (2) suggest visualization methods for specific decision making purpose, (3) understand special features of visualization formats such as possible biases that readers may be subject to, and (4) use a software package to design and implement a visualization project. May be taught concurrently with CIS 555. The graduate level (655) students will have a significant research project required above and beyond the undergraduate level (555) students. Cannot receive credit for both CIS 655 and 555.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 660 Fundamentals of Cybersecurity**

*Prerequisite: permission of Cybersecurity program director.*

This course is an introduction to the basic issues in computer security. While technical in nature, this course is introductory in its approach in that the student is not required to have an extensive background in programming or technical support. May be taught concurrently with CIS 560. Cannot receive credit for both CIS 560 and CIS 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 664 Hacker Techniques and Incident Response**

*Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.*

This hands-on course provides an introduction to tools and techniques used by hackers to penetrate corporate networks. Topics include vulnerabilities of operating systems, incident-handling methods, and an overview of the process and methodologies used in penetration testing including ethical and legal implications.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 681 Foundations of Information Technology Service Management (ITSM)**

Essential concepts of Information Technology (IT) Service Management. IT Service Management provides for the effective and efficient delivery of IT services in support of changing business needs. May be taught concurrently with CIS 581. Cannot receive credit for both CIS 681 and CIS 581.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 682 Lean IT**

Lean principles to manage IT with an emphasis on the reduction of waste and providing value to customers. Additional principles from Lean Six Sigma, continual improvement, IT Service Management, and other relevant areas will be covered. Course requires students to complete a project analyzing one or more of the existing IT processes of an organization. May be taught concurrently with CIS 582. Cannot receive credit for both CIS 682 and CIS 582.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 683 Cloud Computing**

A study of the concepts and applications of cloud computing. Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g. networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. May be taught concurrently with CIS 583. Cannot receive credit for both CIS 683 and CIS 583.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CIS 696 Problems in Business: Computer Information Systems**

*Prerequisite: permission of a director of a College of Business graduate program.*

Technical or professional problems growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 3 hours. May be taught concurrently with CIS 596. Cannot receive credit for both CIS 596 and CIS 696.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CIS 720 Project Management in Information Systems**

A study of the concepts, practices, processes, tools, techniques and resources used by information system (IS) project managers. The entire project life cycle will be covered from inception to close-out. The course will closely follow the framework of the Project Management Body of Knowledge (PMBoK). The course will focus on how to manage the scope, schedule, budget and risk of projects, with emphasis on information systems and information technology projects.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 732 Strategic IT Planning**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Introduction to fundamental issues of information system (IS) planning. Current theory and specific IS planning practices are studied. Emphasis on strategic implications of information technology, IS planning vis-a-vis strategic planning, development and maintenance of IS plans, analysis of organization information requirements, and prioritizing IS projects. Implications for business and technology trends and application of planning concepts to IS planning projects are examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 734 Staffing the Information Systems Function**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Focus on current and emerging issues of recruitment, selection, training, motivation, retention and evaluation of IS staff. Issues include developing job descriptions, shifting demands for staffing, performance criteria, alternative approaches to training, alternative career tracks, and the role of personality types on performance. Influence of recent trends including downsizing, outsourcing, centralization and decentralization, and end-user computing will be examined. Current theory and specific practices are studied. Practical applications will be stressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 735 Neural Networks for Machine Learning**

Artificial neural networks and how they are being used for machine learning, as applied to data analytics in the business environment. Students will be required to collect original data for neural network analysis. Different learning algorithms will be explored, including the Genetic Algorithm. This course will lead to a graduate level paper with possibilities for publication.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CIS 736 Data Communications and Information**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Computer network planning, including physical layout, resource requirements, and budgeting. Administration of computer networks, including managing user accounts; selecting and loading applications software; managing upgrades and enhancements; monitoring and optimizing system performance; ensuring physical and logical system security.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 738 Information System Project Management**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Objectives and techniques of planning, organizing, and managing complex information systems development projects. The course will include a study of resources and tools available for scheduling, tracking, and measuring system development productivity.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 740 Comparative Systems Development Methodology**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Study of various systems development methodologies used to analyze, design, and implement information systems; selection criteria for a specific methodology, and how to introduce a new methodology within an existing environment. Specific tools and techniques for systems development and for business process reengineering will be explored and applied.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 742 Management of End User Computing**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Planning, organizing, staffing, control, and support of end user computing. Various organizational structures used to support end user computing will be investigated. Methodology for development of end user computing systems will be identified for several forms and types of projects. A case project will involve development of an end user system using an appropriate methodology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 744 Information Systems Management**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Overview of managerial applications of information technology (IT) to increase effectiveness. Use of IT to support decision making, cooperative work, organizational competitive advantage, and inter-organizational communication. Various planning approaches will illustrate the use of IT in organizations. Case method will be used.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 746 Data Management**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Study of data modeling using tools such as Entity-Relationship and Semantic Object Models. Examination of the Database Administrator's responsibilities including monitoring and tuning of the database, establishment of database reliability, and security. A case project will include the development of a data model and a database administration plan for a client/server database system.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 747 IT Legal Issues**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Focus on the legal and ethical environment relevant to advances in technology. Issues include intellectual property, jurisdiction, defamation, invasion of privacy, electronic contracts, computer crime, censorship, unsolicited E-mail, antitrust issues, and encryption. Recent developments, court decisions, federal and state statutes, treaties and international agreements, administrative rulings, and legal literature regarding Internet law, will be explored and explained.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 748 Principles of Information Security**

*Prerequisite: admission to the MS in Computer Information Systems program.*

This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. The students will learn a balance introduction to both security management and technical components of information security; they will be exposed to the spectrum of security activities, methods, methodologies, and procedures. This spectrum includes inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses and an overview of the information security planning functions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 750 Sourcing and Procurement**

*Prerequisite: admission to the MS in Computer Information Systems program.*

In-depth study of key factors and issues associated with hardware/software selection, acquisition and implementation. Emphasis on problem definition and analysis, comparative methodologies for evaluation and selection, identifying and qualifying vendors, and developing/evaluating request for proposals (RFP's). Management implications of enterprise-wide software solutions including software distribution, version and release management, and software standards and practices are discussed. Completion of an acquisition project will be included.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 752 Behavior and Leadership in IT**

*Prerequisite: admission to the MS in Computer Information Systems program.*

This course is designed to provide an understanding and appreciation of organizational behavior issues facing senior and mid-level IT managers. Topics to be examined include: organizational behavior from an individual, group and structural perspective, organizational culture, leadership, perception and decision-making values and attitudes, and emotional intelligence. The material should be of interest and benefit to IT professionals, irrespective of technical specialty, who are currently in or aspire to IT management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 754 Organizational Transformation**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Study of interrelated economic, social, political, and technological forces requiring organizations to transform their systems and processes to survive and succeed. Students will examine a variety of typical transformations from the perspective of a work unit member and a manager of the change process.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 756 Special Topics in Information Systems**

*Prerequisite: admission to the MS in Computer Information Systems program.*

Variable content with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. Practical applications will be stressed. The course may be repeated for a total of six hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 761 Management Information Systems**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director.*

This course includes and goes beyond the typical management information system course material. It includes a macro application to the concepts, designs, and implementations of business information systems. Time is spent as well in exploring the importance of balancing technical innovation, business stewardship, and socially responsible and ethical uses of technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CIS 762 Legal Issues in Cybersecurity**

*Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.*

This course provides an overview of the laws and legal processes involved in e-commerce, privacy, and intellectual property rights and cyberspace law. Risk analysis, incident response, and network forensic investigations. Objectives include recognizing the legal aspects of the security triad: confidentiality, integrity, and availability, examining the concepts of privacy and its legal protections, and being able to explain the importance of forensics examination in legal proceedings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 763 Telecommunications and Network Security**

*Prerequisite: CIS 660 and admission to the Cybersecurity program or permission.*

This hands-on course provides an introduction to tools and techniques used by security professionals to secure corporate networks. Topics include virtual private networks (VPNs), firewalls, and intrusion detection and prevention systems (IDS/IPS). Defense in depth will be taught through the installation and configuration of firewalls, VPNs, and IDS/IPS. Students will be able to recognize and prevent malicious attacks on corporate networks.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 765 Computer Forensics**

*Prerequisite: CIS 660 and admission to the Cybersecurity program or permission.*

This hands-on course addresses the fundamentals of computer system forensics. It will provide an overview of computer crimes, forensic methods, the role of computer forensics specialists, computer forensic evidence, and the application of forensic analysis skills. Emerging technology and future directions will be considered along with email, mobile, Window, Mac, and Linux forensics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 766 Web Application Security**

*Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.*

This hands-on course provides an introduction to tools and techniques used to hack web applications. Security strategies will be presented that can help to mitigate risk associated with web applications and social networking. Course objectives include analyzing the impact of the Internet and web applications on the business world, the evolution of social media and social networking, analyzing common website attacks, weaknesses, and security best practices.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 767 Management of Information Security**

*Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.*

This course surveys the management of the information security function within organizations. Topics include establishing and implementing information security policies; assessing and mitigating risk associated with IT infrastructure; and planning/auditing compliance with information security policies, laws and regulations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 770 Seminar in Cybersecurity**

*Prerequisite: 15 hours of graduate Cybersecurity courses and permission from the Cybersecurity Program Director.*

Critical evaluation and interpretation of research and literature in Cybersecurity.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 790 Seminar in Management Information Systems**

*Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.*

Critical evaluation and interpretation of research and literature in information systems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CIS 794 Internship: Computer Information Systems**

*Prerequisite: permission of the director of the appropriate graduate program and department head.*

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CIS 796 Independent Study-Computer Information Systems**

*Prerequisite: permission of advisor.*

In consultation with the advisor, student selects, for intensive study, a specific area of concern related to the student's program, with emphasis on research.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CIS 797 Special Topics**

*Prerequisite: permission.*

Study of topics in Computer Information Systems/Business Education. May be repeated to a total of 6 hours when topic varies.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CIS 799 Thesis**

*Prerequisite: permission of instructor.*

Independent research and study connected with the preparation of a thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Management (MGT) courses

**MGT 211 Talent Management in Music and Entertainment**

*Prerequisite: 45 hours.*

Introduction to the roles, knowledge, and skills helpful to the development and growth of talent in the entertainment industry. While the primary focus will be on the relationship between the personal manager and the recording artist/group in the music industry, attention will also focus on strategies for expanding opportunities across the entertainment industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 286 Business Communications**

*Prerequisite: ENG 110.*

Managerial business communication theory and practice that includes speaking to large groups, interacting within small groups, improving listening skills, composing messages, writing reports based on library research, making ethical decisions, and communicating with other cultures and nationalities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 300 Service Learning in Management**

*Prerequisite: 54 hours, concurrent registration in a management course designated as a service learning offering; and undergraduate business majors must be admitted to degree program.*

This service component for an existing course incorporates community service with classroom instruction in Management to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MGT 310 Introduction to the Entertainment Industry**

*Prerequisite: 54 hours; and undergraduate business majors must be admitted to degree program.*

An introduction to the entertainment industry including facets unique to the field such as managerial roles and organizational structures. Topics will also include an exposure to policies, legal, social, economic, and financial characteristics of this industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 320 Patterns of Management**

*Prerequisite: 54 hours.*

A course designed specifically for non-business majors desiring a knowledge of management and its importance and application in various fields. Topical areas include: management functions and problems, decision-making, organizational design, managerial/non-managerial relationships, and management job opportunities. Cannot be taken for credit by students who have previously received credit for MGT 340.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 325 Fundamentals of Personnel Administration**

*Prerequisite: 54 hours.*

This course is designed for non-business majors. Topics include principles of employee supervision, recruitment, selection, training and development, compensation, labor relations, and separation. This course will be of particular value to managerial, supervisory, administrative, professional, and technical personnel in a variety of organizational settings. Cannot be used to satisfy any requirement for a College of Business major. Cannot be taken for credit by students who have previously received credit for MGT 345.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 340 Principles of Management**

*Prerequisite: 54 hours, including PSY 121; and undergraduate business majors must be admitted to degree program.*

A study of individual, interpersonal, and group behavior within organizations and the behavioral implications of management processes. The interaction of human, technological, structural, global, ethical, and environmental factors are also discussed. A "C" grade or better is required in this course in order to take ACC 555. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 341 Organizational Behavior and Leadership**

*Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.*

An in-depth study of individual and organizational behaviors, processes, and leadership. Such areas as individual differences, group dynamics, organizational processes, organizational change/development, and culture and ethics will be addressed utilizing a variety of interactive teaching methods.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 342 Leading and Designing Organizations**

*Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.*

A study of the macro-organization functioning with emphasis on how organization design dimensions interrelate to effect performance. Organization dimensions studied include environment, technology, size, structure, leadership, and effectiveness.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 345 Designing, Managing and Evaluating Human Resources Management Programs**

*Prerequisite: MGT 340 and QBA 237; and undergraduate business majors must be admitted to degree program.*

Developing competitive advantage through people by establishing strategic human resource programs including staffing, training, performance management, and compensation initiatives, with a focus on human resource metrics in decision-making and program evaluation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 384 Entrepreneurship**

*Prerequisite: ACC 201 and MGT 340 and MKT 350; and undergraduate business majors must be admitted to degree program.*

An exposure to the dynamics of identifying opportunities and dealing with the risks of implementing new ideas and ventures. In consultation with the instructor, students assess the viability of real business ventures. Cases are referred through the Small Business Development Center. Emphasis is placed on team preparation and presentation of a feasibility study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 394 Cooperative Education in Management**

*Prerequisite: acceptance into Cooperative Education Program and permission of department head; and undergraduate business majors must be admitted to degree program.*

The opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours in Cooperative Education.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MGT 397 Business Report Writing**

*Prerequisite: MGT 286; and undergraduate business majors must be admitted to degree program.*

Intensive preparation in the fundamentals of writing various types of business reports. Attention given to methods of and practice in determining the purpose, planning the investigation, collecting and organizing data, interpreting findings, and making oral and written presentations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 398 Managerial Communication**

*Prerequisite: UHC 110 and COM 115 and ENG 221; and undergraduate business majors must be admitted to degree program.*

Accelerated study of organizational communications theory and practice. Emphasis on international communication and ethics. Individual and small group development of a variety of business documents and presentations. Replaces MGT 286 and 397.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 400 Topics in Management**

*Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.*

A variable content course with topics that can change from semester to semester depending upon student and faculty interests. Topics generally require previous study in management. Examples: entrepreneurship, federal regulation of personnel management, designing structure for growth organizations, computerization and human resource management, stress and time management, managing not-for-profit organizations, women in management, and management feasibility studies. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MGT 408 Sponsorships in Entertainment and Sport**

*Prerequisite: undergraduate business majors must be admitted to degree program.*

Study of how sponsorship is a symbiotic revenue relationship between a brand and an entertainment/sport property, including reasons for the growth of sponsorship, benefits for brands, and benefits for properties. Other concepts examined include activation, cross-promotion, sponsorship tiers, associative benefits, sponsorship sales, and evaluative techniques for sponsorships.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 410 Venue Management**

*Prerequisite: undergraduate business majors must be admitted to degree program; Recommended: MGT 310.*

Study of the management of venues such as convention centers, sports arenas, theme parks, performing arts centers, etc. Topics addressed include technical, financial, legal, risk, contracting, and political implications.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 412 Managing Events in Entertainment and Sport**

*Prerequisite: MGT 340 and MGT 310; and undergraduate business majors must be admitted to degree program; others by permission of instructor.*

Study of the financing, management and marketing processes of various entertainment and sport events. Topics addressed include alignment of events with organizational values and mission; strategic planning of an event; cost/benefit analysis; operational effectiveness; factors involving promotion, audience, partnerships, environment, revenue and cost centers; management of an event's stakeholder groups; analysis of pre- and post-even activities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 413 Managing the Sport Enterprise**

*Prerequisite: MGT 340 and MGT 310; and undergraduate business majors must be admitted to degree program; others by permission of instructor.*

Study of the distinct nature of the sport business and the application of planning, organizing, leading, and evaluating techniques applied to the operation of sport enterprises. Topics include the unique nature of the sport product; sport financial management principles, including cost sources and revenue streams; and the impact of sport as a social institution on the marketplace.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Upon demand
Projected offerings

**MGT 440 Leadership Skill Development**

*Prerequisite: MGT 340 and MGT 341; and undergraduate business majors must be admitted to degree program.*

The focus of this course is a comprehensive review of the theories and core behaviors of leadership, with minor emphasis given to trait, behavioral, and contingency approaches and associated core leader behaviors. Emphasis will also be placed on the applications of theory to management practice. Students will develop an understanding of and skill in applying leadership behaviors to management functions, roles and activities. The course includes self-assessments of leadership style, cases, and experiential exercises.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 441 Authentic Leadership in Business**

*Prerequisite: MGT 440; and undergraduate business majors must be admitted to degree program.*

This course examines the unique ethical demands of leadership and prepares students to better meet these challenges. Alternative perspectives of leadership and ethics are explored and applied to emergent ethical issues facing organizations. The overall mission of the course is to promote ethical decision-making and authentic leadership in organizations. The course seeks to teach students to recognize and be sensitive to moral issues, to consider such issues from multiple perspectives, to engage in a systematic and transparent analysis of alternatives, and to take individual responsibility for their decisions and ethical conduct. Short cases, videos, news stories, self-assessment, exercises, and readings will be used to stimulate discussion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 442 Selected Topics in Organizational Behavior**

*Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.*

This course will focus on major current and emerging issues in organizational behavior (OB). Issues include topics such as motivation and leadership, communications, stress and wellness programs, group dynamics, etc. A single or selected set of topics will be dealt with in any given offering of the course. Content, research findings, and practical application of major models and theories will be stressed through a variety of approaches intended to maximize student involvement. The course content will vary as demanded by student interest, faculty expertise, and environmental changes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 447 International Management**

*Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.*

A study of management principles and practices as they relate to the management of international organizations. Emphasis is placed on understanding, analyzing, and integrating managerial concepts within the context of cross-cultural settings. Cannot receive credit for both MGT 447 and MGT 747.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 450 Human Resource Development**

*Prerequisite: MGT 345; and undergraduate business majors must be admitted to degree program.*

The design, implementation and evaluation of employee development programs. Topics covered include: training needs, analysis, learning theory, training methods, validity, and legal requirements. Specific employee development programs are discussed as they relate to executives, managers, and supervisors in organizations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 451 Human Resource Acquisition**

*Prerequisite: MGT 345; and QBA 337 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.*

An in-depth study of the application of Federal and state laws and regulations to HRM practices regarding the acquisition of human resources, appropriate and effective techniques of job analysis, HR planning, recruitment, and a detailed study of techniques and procedures for ensuring valid and effective selection of employees.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 465 Managing the Human Resource Environment and Employment Relationship**

*Prerequisite: MGT 345; and undergraduate business majors must be admitted to degree program.*

Managing the employment relationship and the environment of human resources through the study of the legal, regulatory, and contextual considerations of the work environment. Topics include labor and employment law, workplace safety and health regulation, compensation regulation, and employee rights and responsibilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 466 Advanced Issues in Human Resources Management**

*Prerequisite: MGT 345 and QBA 237; and undergraduate business majors must be admitted to degree program.*

An in-depth study of practical human resource management issues and the steps involved in the design and implementation of employee selection systems, training programs, and performance appraisal systems. Included are methods of job analysis and the design and utilization of appraisal forms useful to managers. Based on practical considerations, some experiential techniques are used. Recent developments relevant to human resources practices will also be covered.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 486 Administrative Communication**

*Prerequisite: MGT 286; and undergraduate business majors must be admitted to degree program.*

Analysis of various business problem situations and development of appropriate communication strategies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 487 Strategic Management and Policy**

*Prerequisite: 102 hours including FIN 380 and MKT 350 and MKT 364; Marketing majors may substitute MKT 450 for MKT 364; and undergraduate business majors must be admitted to degree program.*

Integration of specialized areas of business administration; coordination of various business functions from the standpoint of the formulation, implementation and control of business objectives, strategies and policies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 494 Internship in Management**

*Prerequisite: permission of department head and for Entertainment Management majors, completion of MGT 310 or MGT 410; and undergraduate business majors must be admitted to degree program.*

Opportunity to obtain simultaneously the practical as well as the theoretical knowledge through internship with cooperating businesses.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MGT 496 Readings in Business Administration-Management**

*Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.*

Planned readings designed to intensify and supplement the area of management.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MGT 543 New Venture Management**

*Prerequisite: MGT 384; and undergraduate business majors must be admitted to degree program.*

Students conduct extensive research and in-depth analysis in starting or expanding their own business venture. Major topics include new venture strategy, sources of capital, and growth management. Emphasis is placed on student preparation and presentation of a complete business plan. May be taught concurrently with MGT 643. Cannot receive credit for both MGT 643 and MGT 543.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 546 Direct Compensation System Management**

*Prerequisite: MGT 345; and QBA 337 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.*

Development and management of job-based and individual-based pay systems using job evaluation, skill/competency analysis and certification, wage surveys, and related techniques. The development of performance appraisal systems and the creation of individual-based, team-based, and aggregate performance-based pay systems are studied with emphasis on the strategic aspects of pay, internal consistency, external competitiveness, and legal compliance. May be taught concurrently with MGT 646. Cannot receive credit for both MGT 646 and MGT 546.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 560 History of Management Thought**

*Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.*

Background and interrelationship of classical, behavioral science, systems and quantitative management schools of thought; works of major contributors to contemporary management concepts, practices and theory. May be taught concurrently with MGT 680. Cannot receive credit for both MGT 680 and MGT 560.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 561 Practicum in Small Business Operations**

*Prerequisite: MGT 384; and undergraduate business majors must be admitted to degree program.*

Students solve real problems within the small business environment. Students gain first-hand experience in assessing and improving the operations of existing entrepreneurial firms. Cases are referred through the Small Business Development Center. May be taught concurrently with MGT 671. Cannot receive credit for both MGT 671 and MGT 561.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 596 Research Issues and Problems: Management**

*Prerequisite: 90 hours; and permission of department head; and undergraduate business majors must be admitted to degree program.*

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. Undergraduates only may repeat to a total of 6 hours. May be taught concurrently with MGT 697. Cannot receive credit for both MGT 697 and MGT 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MGT 600 Administrative, Organizational and Operations Concepts for Managers**

*Prerequisite: permission of a director of a College of Business graduate program.*

Comprehensive study of the fundamentals of the management function, organizational behavior and design, and production and operations management. Designed for graduate students who have not had undergraduate courses in management or organizational behavior and operations management. This course will not be counted in the hours required for a College of Business graduate degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 643 New Venture Management**

Students conduct extensive research and in-depth analysis in starting or expanding their own business venture. Major topics include new venture strategy, sources of capital, and growth management. Emphasis is placed on student preparation and presentation of a complete business plan. May be taught concurrently with MGT 543. Cannot receive credit for both MGT 543 and MGT 643.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 646 Direct Compensation System Management**

Development and management of job-based and individual-based pay systems using job evaluation, skill/competency analysis and certification, wage surveys, and related techniques. The development of performance appraisal systems and the creation of individual-based, team-based, and aggregate performance-based pay systems are studied with emphasis on the strategic aspects of pay, internal consistency, external competitiveness, and legal compliance. May be taught concurrently with MGT 546. Cannot receive credit for both MGT 546 and MGT 646.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 671 Practicum in Small Business Operations**

Students solve real problems within the small business environment. Students gain first-hand experience in assessing and improving the operations of existing entrepreneurial firms. Cases are referred through the Small Business Development Center. May be taught concurrently with MGT 561. Cannot receive credit for both MGT 561 and MGT 671.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 680 History of Management Thought**

Background and interrelationship of classical, behavioral science, systems and quantitative management schools of thought; works of major contributors to contemporary management concepts, practices and theory. May be taught concurrently with MGT 560. Cannot receive credit for both MGT 560 and MGT 680.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 697 Research Issues and Problems: Management**

*Prerequisite: permission of department head.*

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be taught concurrently with MGT 596. Cannot receive credit for both MGT 596 and MGT 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MGT 701 Health Services Organization**

Introduction to the health services delivery system. Analysis of the organizing, financing, and distribution of health services. Alternate delivery systems such as hospitals, acute care facilities, long-term facilities, prepaid practices, fee-for-services group practices and others are examined. Forces shaping present and future health care are evaluated.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 702 Managing Healthcare Organizations**

*Prerequisite: MGT 701 or permission of instructor.*

A broad overview of techniques and practices applied to managing healthcare provider organizations at levels including governing board; professional staff; executive offices; and operational systems that deliver acute care, rehabilitation, diagnosis, therapy, ambulatory care, clinical information, clinical support, patient access, facilities and nutrition services. Organizational settings will include hospitals; physician practices; integrated health systems; rehabilitation and sub-acute facilities; behavioral medicine; long-term care; hospice; and home health. Course format will include a series of guest presentations from actively practicing, senior healthcare executives, along with visits to healthcare organizations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 703 Health Law and Ethics**

This course will provide students with in-depth knowledge and understanding of legal and ethical issues facing healthcare managers. Statutory and common law legal doctrines applicable to hospitals, physicians, health systems and organizations, including current court decisions, Office of Inspector General and Internal Revenue Service determinations will be included. The course will touch on many legal and ethical subjects, including professional and institutional liability, provider-patient relationships, employment laws and sexual harassment, compliance-related areas that include Stark regulations, end-of-life care, physician-assisted suicide, and individual patient rights.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MGT 704 Human Resources in Healthcare Organizations**

*Prerequisite: MGT 600 or equivalent.*

Integration of human resources management into the strategic and operational decision-making processes of a contemporary healthcare organization. Functional topics include HR strategic planning, HR legal environment, direct and indirect compensation strategies, recruitment/selection/retention, workforce planning, job design and analysis, performance management, productivity analysis, workforce development/training, employee/labor and stakeholder relations and safety/health considerations. Particular consideration for HR concepts related to clinical professionals and physicians.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 705 Strategic Management of Healthcare Organizations**

*Prerequisite: 18 graduate hours in health administration, including FIN 788.*

Integration of the functional areas of healthcare organizations via the strategic planning process. Emphasis is placed upon the identification of major strategic processes for healthcare organizations as well as policy issues related to the current and anticipated future healthcare environment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 706 Organizational Communication**

Intensive study of communication behavior within various types of business organizations; provides student opportunities to develop communication skills further and to apply one's capacity to use effective organizational communication concepts through written and oral presentations. Emphasis upon the study of oral communication within business.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MGT 711 Measurement and Management of Quality in Health Care**

*Prerequisite: MGT 600 and QBA 600.*

Design, implementation, and management of health quality systems. Major emphasis placed on controlling health care costs through a reduction of waste and defects. Exposure to a variety of quality tools and quantitative techniques aimed at measuring performance and fostering continuous improvement.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 747 International Management**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MGT 600 or equivalent.*

A study of management theory and practices as related to international organizations that are multinational in nature. Emphasis is placed on analyzing, understanding, and integrating managerial concepts as they apply to cross-cultural settings. Students are required to complete a research project. Cannot receive credit for both MGT 447 and MGT 747.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 760 Selected Topics in Management**

Variable topics course in Management. Areas studied will be announced each semester in the class schedule. Course requirements include extensive readings, a paper, and, when appropriate, field trips.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 761 Operations Management: Comparative Theory and Practice**

Advanced study of the operations function in organizations. Emphasis is placed on operations management, planning and controlling techniques as they apply to all types of domestic and international organizations. Cost output-profit decisional techniques and productivity issues are studied as they relate to managerial goals, environmental conditions, and economic developments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 762 Problems in Human Resources Management and Industrial Relations**

*Prerequisite: MGT 600 or equivalent.*

Intensive examination of the institutional, legal, and policy considerations of the parties involved in human resources management and labor relations with an emphasis on current issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 764 Organizational Behavior and Leadership**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MGT 600 or equivalent.*

Study of individual and group behavior viewed from a managerial perspective within the organizational setting. Attention is focused on applications by managers of theory and research about the interaction between human beings and the formal organization, with emphasis on individual differences, interpersonal relations, and small group dynamics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 765 Organization Structure and Design**

An intensive macro approach to the study of the organization with emphasis on the interrelationships of organizational dimensions as they interact to effect organization design. Topics covered include environment, technology, work flows, structure, size, power, objectives, managerial philosophies, and effectiveness.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 767 Organization Strategy and Policy**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; 18 graduate hours in business administration and economics at the 700 level, including FIN 780 and MKT 772.*

Integration of the functional areas of business via the strategic planning process. Emphasis is placed upon the formulation, implementation, and control of an organization's mission, objectives, strategies, and policies as determined by external and internal analyses.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 770 Leadership Development**

*Prerequisite: MGT 764.*

Comprehensive review of the writings and theories of leadership. Focuses on building skills to inspire and organize people to achieve tangible results. Comprehensive self-assessments, experiential exercises, action learning projects, and individually tailored skill-improvement plans.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 790 Seminar in Management**

*Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.*

Critical evaluation and analysis of theory, research and practice in management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MGT 794 Internship: Management**

*Prerequisite: permission of the director of the appropriate graduate program and department head.*

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MGT 796 Independent Study: Business Administration**

*Prerequisite: permission of advisor.*

In consultation with the advisor, student selects for intensive study a specific area of concern related to the student's program with emphasis on research.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall
Projected offerings

**MGT 799 Thesis**

*Prerequisite: permission.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Quantitative Business Analysis (QBA) courses

**QBA 237 Basic Business Statistics**

*Prerequisite: grade of C or better in MTH 135 or higher.*

Collection, analysis, interpretation and presentation of data related to business, measures of central tendency and dispersion, elementary probability, probability distributions, sampling, standard error, interval estimation, hypothesis testing, regression analysis. Computer statistical packages will be utilized in analysis of a variety of applications problems. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**QBA 337 Applied Business Statistics**

*Prerequisite: QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.*

Business application of hypothesis testing, tests of goodness of fit and independence, analysis of variance, regression analysis and correlation, nonparametric methods, time series and forecasting, statistical process control, and decision theory. Computer statistical packages will be utilized in analysis of a variety of applications problems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**QBA 600 Statistical Methods in Business Research**

*Prerequisite: permission of a director of a College of Business Graduate Program.*

Comprehensive study of the fundamentals of statistics. Designed for graduate students who have not had an undergraduate statistics course. This course will not be counted in the hours required for a College of Business graduate degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**QBA 737 Research Design and Analysis**

*Prerequisite: QBA 775 or concurrent enrollment.*

Advanced statistical methods for conducting research in business and economics. Discussion and application of design procedures, hypotheses formulation, data collection and data analysis. Topics include regression analysis, and analysis of variance, multivariate analysis, experimental design, nonparametric methods, etc. Computer statistical packages will be used extensively.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**QBA 775 Quantitative Methods in Business Decision Making**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; and QBA 600 or equivalent.*

A study of quantitative methods used to improve the decision-making process in business. Major topics include constrained optimization models, forecasting models, distribution/network models, simulation models, and project scheduling.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

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# Computer Information Systems

## Major(s)

### Computer Information Systems (Comprehensive)

Bachelor of Science

**Admission requirements**

In addition to the College of Business Admission Requirements, all students majoring in Computer Information Systems must also satisfy the following admission requirements in order to be admissible to the program:

- Have a combined grade point average (Missouri State plus transfer) of 2.50 or higher
- Complete CIS 260(3) with grade of "C" or higher
- Submit application for admission to degree program and receive approval of the Head of the Computer Information Systems Department prior to completing 60 credit hours (Missouri State and transfer combined). Students with 60 or more credit hours who have not been admitted to the program will not be allowed to continue as CIS majors without special permission from the Business Advisement Center.

**Program requirements**

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements. Note: CIS 461(3) must be taken by Computer Information Systems majors.

C. Major Requirements

   a. CIS 260(3); 266(3) or 370(3); 330(3), 388(3), 395(3); 466(3) or 475(3); 494(3) or 528(3)

   b. Complete 9 additional hours from: CIS 262(3), 266(3)*, 370(3)*, 397(3), 420(3), 466(3)*, 475(3)*, 494(3)*, 528(3)*, 535(3), 545(3), 555(3), 560(3), 564(3), 581(3), 583(3), 591(3) *if not used above

D. General Baccalaureate Degree Requirements

# Minor(s)

## Computer Information Systems

Bachelor of Arts
Bachelor of Science

A. CIS 260(3), 266(3), 388(3), 395(3), 466(3)

B. Complete 3 hours from: CIS 262(3), 330(3), 370(3), 397(3), 420(3), 475(3), 494(3), 528(3), 535(3), 545(3), 555(3), 560(3), 564(3), 581(3), 583(3), 591(3)

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Cybersecurity

## Minor(s)

### Cybersecurity

Bachelor of Arts
Bachelor of Science

A. CIS 260(3), 330(3), 560(3), 564(3), 583(3)

B. Complete 3 hours from: CIS 262(3), 266(3), 370(3), 388(3), 395(3), 397(3), 420(3), 466(3), 475(3), 494(3), 528(3), 535(3), 545(3), 555(3), 581(3), 591(3)

# Data Analytics

## Minor(s)

### Data Analytics

Bachelor of Arts
Bachelor of Science
CIS 260(3), QBA 237(3), QBA 337(3), CIS 535(3), CIS 545(3), CIS 555(3)

# Entertainment Management

## Major(s)

### Entertainment Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements (32-33 hours)

1. MGT 310(3), 345(3), 410(3), 412(3), 494(3), ACC 311(3), LAW 335(2) or 532(3)

2. Complete 12 hours from the following: MGT 211(3), 300(1), 400(1), 408(3), 413(3), 465(3), BUS 550(3) or LAW 550(3), COM 439(3), FIN 266(3), GRY 308(3), GRY 310(3), INS 415(3), MKT 352(3), MKT 367(3), MKT 368(3), MKT 410(3), MUS 216(3), MUS 316(3), MUS 362 or 375 or 376 or 393(1), MUS 529(3), REC 305(1), REC 320(3), THE 150(2), THE 250(2) or 255(2), THE 354(3)

D. General Baccalaureate Degree Requirements

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work

for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Entrepreneurial Studies

## Minor(s)

### Entrepreneurial Studies

Bachelor of Science

A. ACC 201(3); FIN 350(3); MGT 340(3), 384(3); MKT 350(3)

B. Complete two courses from: BUS 510(3); LAW 231(3); MGT 341(3), 345(3); MKT 352(3) or 354(3) or 355(3)

# Entrepreneurship

## Major(s)

### Entrepreneurship (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements (29-30 hours)

1. FIN 390(3) or ACC 311(3); MGT 341(3), 345(3), 384(3), 543(3), 561(3); MKT 352(3) or 354(3) or 355(3)

2. Complete 8-9 hours from the following: BUS 510(3), LAW 335(2), MGT 447(3), MKT 367(3), MKT 368(3), MKT 474(3), TCM 458(3), TCM 511(3)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Entrepreneurship

Bachelor of Science

A. FIN 390(3) or ACC 311(3); MGT 345(3), 384(3), 543(3)

B. Complete 6 hours from: BUS 510(3); MGT 341(3), 447(3), 561(3); MKT 352(3) or 354(3) or 355(3); MKT 367(3)

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Entrepreneurship Certificate

## Entrepreneurship

The Entrepreneurship undergraduate certificate program provides a 15 hour educational experience in the entrepreneurial discipline. Students will receive instruction in a variety of areas including accounting, marketing, management, finance, and business planning.

**Entrance Criteria:** Students must not be admitted to a College of Business degree program.

**Required Courses:** ACC 201(3); FIN 350(3); MGT 340(3), 384(3); MKT 350(3)

# Human Resources Management/Industrial-Relations

## Minor(s)

### Human Resources Management/Industrial-Relations

Bachelor of Arts
Bachelor of Science

A. MGT 340(3), 345(3), 465(3)

B. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)

C. Complete one course from: MGT 341(3), 342(3), 450(3), 451(3); ECO 310(3); PSY 529(3); INS 314(3)

# Information Technology Service Management

## Major(s)

### Information Technology Service Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements. Note: CIS 461(3) must be taken by Information Technology Service Management majors.

C. Major Requirements:

1. CIS 260(3), 330(3); 266(3) or 370(3); 388(3), 395(3); CIS 420(3) or TCM 359(3); CIS 581(3)

2. Complete 9 hours from: CIS 262(3), 266(3)*, 370(3)*, 397(3), 466(3), 475(3), 494(3), 528(3), 535(3), 545(3), 555(3), 560(3), 564(3), 583(3), 591(3)
*if not used above

D. General Baccalaureate Degree Requirements

## Minor(s)

### Information Technology Service Management

Bachelor of Arts
Bachelor of Science

A. CIS 260(3), 330(3), 388(3); CIS 420(3) or TCM 359(3); CIS 581(3)

B. Complete 3 hours from: CIS 262(3), 266(3), 370(3), 395(3), 397(3), 466(3), 475(3), 494(3), 528(3), 535(3), 545(3), 555(3), 560(3), 564(3), 583(3), 591(3)

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the

undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# International Management

## Minor(s)

### International Management

Bachelor of Arts
Bachelor of Science

A. ACC 201(3); ECO 155(3); MGT 340(3); MGT 447(3) or MKT 474(3); MKT 350(3)

B. Complete one course (not taken as part of above) from: ECO 565(3); FIN 582(3); MGT 447(3); MKT 474(3)

# Leadership

## Minor(s)

### Leadership

Bachelor of Science

A. MGT 340(3), 341(3), 342(3), 440(3)

B. Complete one course from: MGT 345(3), 368(3), 384(3), 447(3), 596(3)

# Management

## Major(s)

## Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements

Complete one of the following options:

1. **Administrative Management:**

   a. ACC 311(3); MGT 341(3), 342(3), 345(3), 440(3), 465(3); QBA 337(3)

   b. Complete one course from: LAW 335(2); MGT 384(3), 397(3), 442(3), 447(3); MKT 367(3), 368(3)

2. **Human Resources Management:**

   a. ACC 311(3); INS 314(3); MGT 341(3), 345(3), 450(3) or 451(3), 465(3), 546(3); QBA 337(3)

   b. Complete one course from: ECO 310(3); MGT 410(3), 447(3), 466(3)

3. **International Business Administration:** The International Business Administration option must satisfy the following foreign language, geographic region, special international courses, and operational/cultural environment requirements.

   a. Foreign Language: Choose a language for a minimum of 12 semester hours above 100 level courses. A course in conversation is required. (The foreign language requirement may be waived with demonstrated proof of competency in the oral and written skills equivalent to the foreign language requirement.) International students

whose native language is not English may be waived from the language requirement subject to the following:

1. The student is a graduate of a secondary school in his/her home country.

2. The native language is complementary to the Geographic Region of Specialization.

3. The waiver will not result in a reduction of the total credit hours required toward the degree. The curriculum advisor in charge of International Business Administration option may recommend specific courses either in the English language and/or complementary to the major to make up the 12 credit hours.

b. Geographic Region of specialization: Select one of the following regions associated with the language chosen, obtaining a minimum of three courses in at least two departments for a total of nine credit hours.

1. Asia (Pacific Rim Countries): ANT 335(3); COM 360(3); GRY 305(3), 320(3), 323(3), 397(1-3); HST 200(3), 340(3), 380(3), 381(3), 571(3), 597(1-3)-Asian History; LLT 215(3); MCL 303(3); PHI 314(3); PLN 597(1-5); PLS 545(3)

2. Latin America: COM 360(3); GRY 305(3), 320(3), 323(3), 397(1-3); HST 200(3), 350(3), 587(3), 597(1-3)-Latin American History; MCL 303(3); PLN 597(1-5); PLS 548(3); SPN 326(3)

3. Europe: COM 360(3); FRN 326(3), 335(3), 414(3), 415(3); GRM 325(3); GRY 305(3), 320(3), 323(3), 397(1-3); HST 200(3), 340(3), 353(3), 355(3), 361(3), 559(3), 597(1-3)-European History; LLT 225(3); MCL 303(3); PLN 597(1-5); PLS 205(3), 547(3); SPN 325(3)

c. Special International Courses: MGT 447(3); MKT 474(3) and one course from: ECO 346(3), 456(3), 565(3); FIN 582(3); GRY 100(3), 308(3), 321(3); LAW 539(3); PLS 205(3), 232(3)

d. Operational or Cultural Environment: This may be satisfied by a minimum of one semester of successful participation in an academic program consisting of coursework at an accredited overseas institution and/or internship at a firm in a foreign country consistent with the student's area of specialization approved by the curriculum advisor in charge of International Business Administration option. An exception to this may be made in the case of international students coming from a

country that is consistent with their Geographic Region of Specialization; however, this action will not result in a reduction of the total hours required toward the degree. The curriculum advisor in charge of International Business Administration option may recommend specific courses either in English language and/or complementary to the major toward the total credit hour requirement toward the degree.

e. Suggested Optional Electives: ACC 506(3); ANT 226(3), 320(3), 330(3); ECO 305(3), 456(3); HST 103(3), 104(3); MGT 397(3), 561(3); PLS 338(3); SOC 380(3)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Management

Bachelor of Arts

A. ACC 201(3); ECO 155(3); MGT 340(3)

B. Complete three courses from: MGT 325 or 345(3); 341(3), 342(3), 384(3), 560(3), 561(3); MKT 364(3), 367(3), 368(3)

### Management

Bachelor of Science

A. ACC 201(3), 211(3); ECO 155(3); MGT 340(3)

B. Complete three courses from: MGT 341(3), 342(3); 325 or 345(3), 384(3), 546(3)

C. Complete two courses from: MGT 560(3), 561(3); MKT 364(3), 367(3), 368(3)

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Health Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Health Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Management

## Major(s)

## Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements

Complete one of the following options:

1. **Administrative Management:**

   a. ACC 311(3); MGT 341(3), 342(3), 345(3), 440(3), 465(3); QBA 337(3)

   b. Complete one course from: LAW 335(2); MGT 384(3), 397(3), 442(3), 447(3); MKT 367(3), 368(3)

2. **Human Resources Management:**

   a. ACC 311(3); INS 314(3); MGT 341(3), 345(3), 450(3) or 451(3), 465(3), 546(3); QBA 337(3)

   b. Complete one course from: ECO 310(3); MGT 410(3), 447(3), 466(3)

3. **International Business Administration:** The International Business Administration option must satisfy the following foreign language, geographic region, special international courses, and operational/cultural environment requirements.

   a. Foreign Language: Choose a language for a minimum of 12 semester hours above 100 level courses. A course in conversation is required. (The foreign language requirement may be waived with demonstrated proof of competency in the oral and written skills equivalent to the foreign language requirement.) International students

whose native language is not English may be waived from the language requirement subject to the following:

1. The student is a graduate of a secondary school in his/her home country.

2. The native language is complementary to the Geographic Region of Specialization.

3. The waiver will not result in a reduction of the total credit hours required toward the degree. The curriculum advisor in charge of International Business Administration option may recommend specific courses either in the English language and/or complementary to the major to make up the 12 credit hours.

b. Geographic Region of specialization: Select one of the following regions associated with the language chosen, obtaining a minimum of three courses in at least two departments for a total of nine credit hours.

1. Asia (Pacific Rim Countries): ANT 335(3); COM 360(3); GRY 305(3), 320(3), 323(3), 397(1-3); HST 200(3), 340(3), 380(3), 381(3), 571(3), 597(1-3)-Asian History; LLT 215(3); MCL 303(3); PHI 314(3); PLN 597(1-5); PLS 545(3)

2. Latin America: COM 360(3); GRY 305(3), 320(3), 323(3), 397(1-3); HST 200(3), 350(3), 587(3), 597(1-3)-Latin American History; MCL 303(3); PLN 597(1-5); PLS 548(3); SPN 326(3)

3. Europe: COM 360(3); FRN 326(3), 335(3), 414(3), 415(3); GRM 325(3); GRY 305(3), 320(3), 323(3), 397(1-3); HST 200(3), 340(3), 353(3), 355(3), 361(3), 559(3), 597(1-3)-European History; LLT 225(3); MCL 303(3); PLN 597(1-5); PLS 205(3), 547(3); SPN 325(3)

c. Special International Courses: MGT 447(3); MKT 474(3) and one course from: ECO 346(3), 456(3), 565(3); FIN 582(3); GRY 100(3), 308(3), 321(3); LAW 539(3); PLS 205(3), 232(3)

d. Operational or Cultural Environment: This may be satisfied by a minimum of one semester of successful participation in an academic program consisting of coursework at an accredited overseas institution and/or internship at a firm in a foreign country consistent with the student's area of specialization approved by the curriculum advisor in charge of International Business Administration option. An exception to this may be made in the case of international students coming from a

country that is consistent with their Geographic Region of Specialization; however, this action will not result in a reduction of the total hours required toward the degree. The curriculum advisor in charge of International Business Administration option may recommend specific courses either in English language and/or complementary to the major toward the total credit hour requirement toward the degree.

e. Suggested Optional Electives: ACC 506(3); ANT 226(3), 320(3), 330(3); ECO 305(3), 456(3); HST 103(3), 104(3); MGT 397(3), 561(3); PLS 338(3); SOC 380(3)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Management

Bachelor of Arts

A. ACC 201(3); ECO 155(3); MGT 340(3)

B. Complete three courses from: MGT 325 or 345(3); 341(3), 342(3), 384(3), 560(3), 561(3); MKT 364(3), 367(3), 368(3)

### Management

Bachelor of Science

A. ACC 201(3), 211(3); ECO 155(3); MGT 340(3)

B. Complete three courses from: MGT 341(3), 342(3); 325 or 345(3), 384(3), 546(3)

C. Complete two courses from: MGT 560(3), 561(3); MKT 364(3), 367(3), 368(3)

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

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## Accelerated graduate program in Cybersecurity

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Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Health Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Health Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Web Application Development

## Minor(s)

### Web Application Development

Bachelor of Arts
Bachelor of Science
CIS 260(3), 262(3), 370(3), 388(3), 395(3), 475(3)

# Department of Marketing

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Advertising and Promotion (Minor)

International Marketing (Minor)

Logistics and Supply Chain Management (Minor)

Marketing (BS, Minor)+

Marketing Research (Minor)

Selling (Minor)

Supply Chain, Logistics and Operations Management (BS)+

### Graduate

Business Administration, Master of (MBA) Administered by the College of Business+

Marketing (Certificate)

## Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

## Contact

**Department head**

Ronald L. Coulter, PhD

**Office**

Glass Hall, Room 238

**Phone**

417-836-5413

**Fax**

417-836-4466

**Email**

Marketing@missouristate.edu

**Website**

www.missouristate.edu/mkt

# Marketing Faculty

## Professors

Melissa S. Burnett, PhD

Ronald L. Coulter, PhD

Charles M. Hermans, PhD

Allen D. Schaefer, PhD

Christina S. Simmers, PhD

## Associate professors

Ronald A. Clark, PhD

Barry Cobb, PhD

G. Alexander Hamwi, PhD

## Assistant professors

Seth Cockrell, PhD

Josh Coleman, PhD

Wesley Friske, PhD

LinDa Li, PhD

Jenifer Skiba, PhD

## Senior instructors

Sherry J. Cook, MBA

Courtney R. Pham, MBA

## Instructors

David D. Hammons, MBA

Carly C. Pierson, MBA

## Emeritus faculty

T. Sam Brown, PhD

Mary H. Chin, MBA

Christopher H. Ellis, MBA

Peggy S. Gilbert, MBA

Corinne M. Karuppan, PhD

Nancy K. Keith, PhD

Robert H. Luke, PhD

R. Stephen Parker, DBA

Janice E. Parmley, MA

Charles E. Pettijohn, DBA

Lois M. Shufeldt, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Marketing Courses

## Marketing (MKT) courses

**MKT 150 Marketing Fundamentals**

A survey of marketing designed to serve various groups of students - those from other colleges/departments who would like to develop a broad understanding of marketing, those who are undecided about a major and would like to explore marketing as a possibility; and those who desire to take a contemporary marketing course to assist them in their present career path. Cannot be taken for credit by students who have previously received credit for MKT 350.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 300 Service Learning in Marketing**

*Prerequisite: 30 hours and concurrent registration in a marketing course designated as a service learning offering; and undergraduate business majors must be admitted to degree program.*

This service component for an existing course incorporates community service with classroom instruction in Marketing to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MKT 350 Principles of Marketing**

*Prerequisite: 54 hours and PSY 121; and undergraduate business majors must be admitted to degree program.*

Structure, functions, principles and methods employed in discovering and translating consumer needs and wants into product and service specifications and then transferring these goods and services from producers to consumers or users.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 351 Consumer Market Behavior**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

Influence of cultural, social, and psychological factors on consumer and customer behavior evidenced through behavioral science research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 352 Personal Selling**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

This course teaches the Principles of Sales as a toolkit, which in addition to being useful to a salesperson will also be found useful by most people in everyday life. Students will learn the nuts and bolts of a sales call from start to finish, as well as different customers that will be encountered, different kinds of relationships, ethics, communication skills and adaptive selling. Students will have the opportunity to apply what they have learned during the semester by participating in mock sales calls with salespeople from the community.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 354 Principles of Advertising**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

Advertising roles, principles and procedures; development of creative strategies, media selection-including traditional media as well as nontraditional media, social networking, guerrilla, online, promotion, mobile, and event-basic design, layout and copy development; measures of advertising effectiveness. Includes the development of an integrated campaign.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 355 Principles of Retailing**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

The application of retailing principles to real-world issues. Students are challenged to solve retailing scenarios using an "experience-based" format.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MKT 360 Marketing Research**

*Prerequisite: MKT 350 and QBA 337; and undergraduate business majors must be admitted to degree program.*

Basic research techniques designed to introduce the student to modern research procedures and the research process. Emphasis placed on research techniques to collect, analyze, and interpret research information as a basis for improved decision-making; and for the development of marketing strategies and policies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 364 Operations Management**

*Prerequisite: MGT 340; nonbusiness majors QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.*

Exploration of competitive priorities to improve performance in a variety of business environments. Application of analytical tools to manage processes and projects within and across business functions. Flexible content to reflect trends in the occupational marketplace.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 365 Introduction to Logistics**

*Prerequisite: MKT 350 and MGT 340; and undergraduate business majors must be admitted to degree program.*

Analysis of the activities and decisions necessary to plan, implement and control private and public physical distribution and transportation channel systems. Emphasis on physical, human, informational and organizational system components.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 367 Purchasing and Supply Management**

*Prerequisite: MKT 364; and undergraduate business majors must be admitted to degree program.*

A study of the processes and problems involved in acquiring and controlling materials and services required for operations management in business, industry, and government. Includes source selection, quality and quantity control, value analysis, and negotiation and legal consideration.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MKT 368 Supply Chain and Operations Modeling**

*Prerequisite: QBA 337; and MKT 364 or MKT 365 or MKT 450; and undergraduate business majors must be admitted to degree program.*

Emphasis will be on application and development of quantitative modeling techniques for the analysis of decision problems encountered in supply chain and operations management. Applications include transportation models, network and location models, aggregate planning models, inventory management, and queueing models.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 380 Creative Advertising**

*Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.*

An advanced course in the creation of broadcast and print advertising. Emphasizes strategic planning, developing creative concepts and assistance in writing and polishing copy and visuals within an ad, execution of finished product, and refining presentation skills.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MKT 390 Promotion Management and Implementation**

*Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.*

A study of the promotional mix. Attention is focused on sales promotion, its design and implementation; including research, planning, target market assessment, budgeting, vehicle selection, and measures of efficiency and effectiveness. Topics include the buying and selling of mix elements, both traditional and non-traditional.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 394 Cooperative Education in Marketing**

*Prerequisite: acceptance into Cooperative Education Program and permission of the department head; and undergraduate business majors must be admitted to degree program.*

The opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours in Cooperative Education.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MKT 410 Entertainment and Services Marketing**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

The study, observation and application of specialized principles and practices in the area of entertainment, marketing of sports, performing arts, concerts, conventions and exposition activities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 450 Supply Chain Management and Sustainability**

*Prerequisite: MKT 350 or BUS 510; and undergraduate business majors must be admitted to degree program.*

This course emphasizes the adoption of a supply chain orientation to achieve competitive advantage and value creation through efficient and effective inter-firm buyer/seller relationships and logistical processes. In addition to traditional supply chain management topics the course will emphasize social, economic and environmental dimensions of sustainability throughout all aspects of the course including: raw materials, procurement, production, transportation, packaging, distribution, marketing, facilities location and retail store design.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 451 Advanced Selling**

*Prerequisite: MKT 352; and undergraduate business majors must be admitted to degree program.*

Advanced Selling is designed for the serious sales student. Concepts discussed in MKT 352 will be applied during this course. In addition, the course will delve into issues in selling and sales management that will impact their future in these positions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 452 Sales Management**

*Prerequisite: MKT 352; and undergraduate business majors must be admitted to degree program.*

This course is designed to prepare students for a sales management position. Students will learn what information and resources are necessary to create and maintain a successful sales force. In addition, students will learn how to measure and influence performance, how to motivate salespeople, proper recruitment, selection and training techniques, compensation strategies and current trends in sales management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 455 Advanced Retailing Practices**

*Prerequisite: MKT 355; and undergraduate business majors must be admitted to degree program.*

An advanced study of retail buying practices, resident buying offices, domestic and foreign markets, fashion, promotion, color dynamics, display, inventory control, store location, customer services, pricing, sales projection, and research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MKT 456 Advanced Advertising**

*Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.*

Further develops skills in advertising strategy and design. Includes campaign development-both traditional and nontraditional media. Explores careers in integrated marketing communications. Strong emphasis on business to business promotion, events marketing, and presentation skill development. Includes one or more service learning campaigns.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 460 Logistics and Supply Chain Strategy**

*Prerequisite: MKT 450; and undergraduate business majors must be admitted to degree program.*

This course requires the students to integrate concepts learned throughout their academic experience into a combined analysis of current events and the completion of a corporate project or case study. Analysis of comprehensive cases incorporating strategic and tactical decisions throughout the entire supply chain management process is required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 464 International Logistics and Global Supply Chain Management**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

Principles of logistics activities in international business with special emphasis on transportation, global sourcing, customs issues, import-export opportunities, customs documentation, the role of government in international transactions, customer service, and global supply chain management. Special emphasis is placed on current events and their effect on the marketing and logistics activities of organizations. Cannot receive credit for both MKT 464 and MKT 764.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MKT 472 Advanced Marketing**

*Prerequisite: MKT 351 and MKT 360; and undergraduate business majors must be admitted to degree program.*

An analysis of the marketing concepts, functions, and principles involved in planning, implementing, and evaluating the total marketing program of various organizations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 474 International Marketing**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

This course investigates the cultural impact on markets and institutions affecting international trade. Students will study cross-cultural comparisons of attitudes and beliefs about marketing practices and products. The course provides an in-depth look into the effects of culture, business climate and business practices on each of the elements of marketing to provide an awareness of differences in markets and consumer behavior. Marketing management, competitiveness, sustainability and negotiation applications are discussed throughout the course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 476 Futuristics: Business and Society**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

This course compares and analyzes the diverging views of an "economy of abundance" versus that of an "economy of scarcity." Major emphasis is directed toward predicting future changes in and the impact on the nature of firm, consumer life-styles, and society in general.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MKT 480 Advertising Campaigns**

*Prerequisite: MKT 350 and MKT 354 and MKT 456 and permission; and undergraduate business majors must be admitted to degree program.*

Advanced advertising techniques are applied to the formation of a comprehensive advertising campaign while working in an advertising agency-like atmosphere. Presentation(s) of the campaign will be made formally to students, faculty, and advertising executives, and may culminate in participation at the annual competition of the American Advertising Federation (AAF).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MKT 485 Marketing Yourself**

*Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.*

A participative course designed to provide students with information regarding the skills necessary to succeed in their professional career.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 494 Executive Internship-Marketing**

*Prerequisite: permission of the department head; and undergraduate business majors must be admitted to degree program.*

Opportunity to obtain simultaneously the practical as well as the theoretical knowledge through internship with cooperating business executives. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MKT 496 Readings in Business Administration-Marketing**

*Prerequisite: permission of the department head; and undergraduate business majors must be admitted to degree program.*

Planned readings designed to intensify and supplement the study of marketing.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MKT 497 Topics in Marketing**

*Prerequisite: MKT 350 and permission of the department head; and undergraduate business majors must be admitted to degree program.*

A variable content course, with topics that can change from semester to semester depending upon student and faculty interests. Topics generally require previous study in marketing. Examples: marketing of professional services, marketing of not-for-profit organizations, international marketing research, industrial marketing, physical distribution, sales forecasting, and legal issues of marketing. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MKT 510 E-Marketing**

*Prerequisite: BUS 510 or MKT 354 or MKT 355; and undergraduate business majors must be admitted to degree program.*

An examination of the concepts, strategies, and applications involved in Electronic Marketing, including use of the web, electronic mail, and other direct response advertising media for conducting e-Business. May be taught concurrently with MKT 610. Cannot receive credit for both MKT 610 and MKT 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 515 Contemporary Issues in Advertising/Promotion**

*Prerequisite: MKT 350 and MKT 354; and undergraduate business majors must be admitted to degree program.*

This course will develop problem-solving and strategic planning skills as they relate to contemporary issues in marketing. Topics covered include advertising ethics, appropriate research applications, and promotional planning and execution. Guerilla marketing tactics, fostering brand interaction through social media and other non-traditional advertising techniques will be explored. Case studies and contemporary readings will replace the traditional marketing textbook. May be taught concurrently with MKT 615. Cannot receive credit for both MKT 515 and MKT 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 565 Business Process Management**

*Prerequisite: MKT 364; and undergraduate majors must be admitted to degree program.*

An in-depth analysis of business processes from an operations perspective. Study of specific practices and tools to design, improve, and support these processes in a variety of organizational settings. Use of professional BPM software is emphasized. May be taught concurrently with MKT 675. Cannot receive credit for both MKT 565 and MKT 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MKT 570 Advanced Marketing Research**

*Prerequisite: MKT 350 and MKT 360; and undergraduate business majors must be admitted to degree program.*

Modern research techniques; problems of marketing and the use of research techniques; problems of marketing and the use of research information as a basis for establishing marketing policies and strategy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MKT 596 Research Issues and Problems: Marketing**

*Prerequisite: MKT 360 and permission of the department head; and undergraduate business majors must be admitted to degree program.*

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MKT 600 Marketing Concepts for Managers**

*Prerequisite: permission of a director of a College of Business Graduate Program.*

Comprehensive study of the fundamentals of marketing. Designed for graduate students who have not had an undergraduate course in marketing. Will not be counted in the hours required for a College of Business graduate degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 610 E-Marketing**

*Prerequisite: MKT 600 or MKT 772; and BUS 610.*

An examination of the concepts, strategies, and applications involved in Electronic Marketing, including use of the web, electronic mail, and other direct response advertising media for conducting e-Business. May be taught concurrently with MKT 510. Cannot receive credit for both MKT 510 and MKT 610.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 615 Contemporary Issues in Advertising/Promotion**

*Prerequisite: MKT 350 or MKT 600 or equivalent.*

This course will develop problem-solving and strategic planning skills as they relate to contemporary issues in marketing. Topics covered include advertising ethics, appropriate research applications, and promotional planning and execution. Guerilla marketing tactics, fostering brand interaction through social media and other non-traditional advertising techniques will be explored. Case studies and contemporary readings will replace the traditional marketing textbook. May be taught concurrently with MKT 515. Cannot receive credit for both MKT 615 and MKT 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 675 Business Process Management**

An in-depth analysis of business processes from an operations perspective. Study of specific practices and tools to design, improve, and support these processes in a variety of organizational settings. Use of professional BPM software is emphasized. May be taught concurrently with MKT 565. Cannot receive credit for both MKT 675 and MKT 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MKT 730 Logistics and Transportation**

*Prerequisite: MKT 600 or equivalent.*

This course introduces students to the concepts and terminology associated with the planning and management of logistics activities. The course investigates introductory decisions in inventory management, warehousing, transportation, customer service, performance measurement, and others.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 740 Supply Chain Models and Systems**

*Prerequisite: MKT 730.*

This course addresses concepts, techniques and systems used in supply chain management and decision support. Specific areas include ERP systems, manufacturing planning and management techniques and systems, inventory management, warehouse layout, distribution management, routing and scheduling, process analysis, network analysis and the application of simulation and optimization techniques.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MKT 750 Supply Chain Management Seminar**

*Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.*

This course emphasizes the adoption of a supply chain orientation toward business and the need for more effective inter-firm relationships and operational processes. The course incorporates analyses of comprehensive cases involving strategic and tactical decisions throughout product and service supply chains in a domestic and global environment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MKT 760 Logistics and Supply Chain Management**

*Prerequisite: MKT 740 or MKT 750.*

This course serves as a capstone experience involving actual company projects, a comprehensive supply chain simulation exercise, and the identification and discussion of current events in logistics and supply chain management. Class sessions are augmented by discussions of current events involving logistics and supply chain management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MKT 764 International Logistics and Global Supply Chain Management**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MKT 600 or equivalent.*

Theory and practice of logistics activities in international business with special emphasis on transportation, global sourcing, customs issues, import-export opportunities, customs documentation, the role of government in international transactions, customer service, and global supply chain management. Special emphasis is placed on current events and their effect on the marketing and logistics activities of organizations. Cannot receive credit for both MKT 764 and MKT 464.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MKT 770 Seminar in Marketing Research**

*Prerequisite: 15 hours of graduate business administration courses including MKT 772 and permission from the MBA Program Director.*

Designed to enable students through first-hand experience to understand the various parts of research papers, methods of gathering data, appropriate tests of information, and interpretation of findings, including implications for further study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MKT 772 Marketing Management**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MKT 600 or equivalent.*

Theoretical bases of marketing concepts, principles and strategies; development, acceptance and expected future direction of emerging marketing practices.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 774 International Marketing**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; MKT 600 or equivalent.*

Advanced management, theory, and analysis of marketing functions in a multinational context where the parameters differ from those of domestic marketing. Students are required to complete a research project in the course area. Cannot receive credit for both MKT 774 and MKT 474.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 776 Futuristics: Business and Society**

*Prerequisite: MKT 600 or equivalent.*

This course compares and analyzes the diverging views of an "economy of abundance" versus that of an "economy of scarcity." Major emphasis is directed toward predicting further changes in and the impact on the nature of firm, consumer life-styles, and society in general. Students are required to complete a research project in the course area.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MKT 790 Seminar in Marketing**

*Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.*

Critical evaluation and analysis of theory, research, and practice in marketing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MKT 794 Internship: Marketing**

*Prerequisite: permission of director of the appropriate graduate program and department head.*

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MKT 796 Independent Study: Marketing**

*Prerequisite: MKT 770 and permission of department head.*

In consultation with coordinating professor, student selects a specific area of emphasis (related to the degree program) for a significant, in-depth study, with particular emphasis on research.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MKT 799 Thesis**

*Prerequisite: permission of department head.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Advertising and Promotion

## Minor(s)

### Advertising and Promotion

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

A. MKT 350(3), 351(3), 354(3), 456(3)

B. Complete two courses from: ART 100(3); MKT 352(3), 380(3), 390(3); 480(3) or 510(3)

# International Marketing

## Minor(s)

### International Marketing

Bachelor of Arts
Bachelor of Science

A. MKT 350(3), 474(3); MGT 340(3), 447(3)

B. Complete one course from: ACC 506(3); ECO 346(3), 565(3), FIN 582(3); MKT 464(3)

# Logistics and Supply Chain Management

## Minor(s)

### Logistics and Supply Chain Management

Bachelor of Arts
Bachelor of Science

A. MKT 350(3), 365(3), 440(3)-course deleted-see advisor, 450(3)

B. Complete one course from: MKT 367(3), 410(3), 460(3), 464(3)

# Marketing

## Major(s)

## Marketing (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements

1. MKT 351(3), 360(3); 464(3) or 474(3), 472(3); QBA 337(3)

2. Complete one of the following options:

   a. **Advertising and Promotion:**

      1. MKT 354(3); 380(3) or 390(3); 456(3)

      2. Complete two of the following: MKT 352(3); 380(3) or 390(3) if not taken to fulfill requirement No. 1 above; MKT 480(3) or 510(3); ART 100(3)

   b. **Marketing Management:**

      1. MKT 352(3), 365(3); MGT 397(3)

      2. Complete two of the following: MKT 354(3), 355(3), 410(3), 452(3); 476(3) or 510(3); 570(3)

   c. **Marketing Research**

      1. MKT 352(3), 570(3), 596(3); MGT 397(3) or ENG 321(3); SOC 305(3)

      2. Recommended electives (not required): MKT 354(3); 410(3); MGT 561(3)

d. **Sales/Sales Management:**

1. MKT 352(3), 451(3), 452(3); MKT 485 or MGT 486(3)

2. Complete one course from: BUS 550/LAW 550(3); MGT 345(3); MKT 354(3), 355(3), 365(3), 410(3)

3. Recommended electives (not required): MGT 450(3), MKT 367(3), THE 125(2), THE 222(3)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Marketing

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

A. MKT 350(3), 351(3)

B. Complete four courses from: MKT 352(3), 354(3), 355(3), 360(3), 365(3), 380(3), 410(3), 451(3), 452(3), 455(3), 456(3), 472(3), 474(3), 476(3), 480(3), 485(3), 570(3)

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific

admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Marketing Research

## Minor(s)

### Marketing Research

Bachelor of Science

1. MKT 350(3), 360(3), 570(3); QBA 337(3)

2. Complete one course from: MKT 368(3), 565(3)

# Selling

## Minor(s)

### Selling

Bachelor of Arts
Bachelor of Science

A. MKT 350(3), 351(3), 352(3), 451(3), 452(3)

B. Complete one course from: MKT 410(3), MKT 485(3); MGT 345(3), 397(3), 486(3). Note: Electives are offered since a minimum of nine additional hours not counted as requirements for any major or other minor and exclusive of "problems" and "reading" courses, is required for the completion of any minor in business. Students not meeting this requirement must select additional courses from the list of recommended electives.

# Supply Chain, Logistics and Operations Management

## Major(s)

### Supply Chain, Logistics and Operations Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. College of Business Admission and Program Requirements

C. Major Requirements

1. MKT 365(3), 368(3), 450(3), 460(3); QBA 337(3)

2. Complete one of the following options:

a. **Logistics and Operations Management:**

1. MKT 352(3), 367(3), 464(3)

2. Complete two of the following: MKT 360(3), 394(3), 410(3), 451(3), 565(3), 570(3); TCM 359(3)

b. **Supply Chain Analytics:**

1. MKT 360(3), 565(3), 570(3)

2. Complete two of the following: MKT 352(3), 367(3), 394(3), 410(3), 451(3), 464(3)

D. General Baccalaureate Degree Requirements

## Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business

Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Technology and Construction Management

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Construction Management (BS, Minor)+

Industrial Management (Minor)

Interior Design (BS, Minor)

Mechanical Engineering Technology (BS)+

Technology Management (BAS)+

### Graduate

Project Management (MS)+

Project Management (Certificate)

## Accreditations

- American Council for Construction Education – Construction Management (BS)
- Project Management Institute-Global Accreditation Center for Project Management Education Programs – Project Management (MS)

## Contact

**Department head**

R. Neal Callahan, PhD

**Office**

Glass Hall, Room 200

**Phone**

417-836-5121

**Fax**

417-836-8556

**Email**

tcm@missouristate.edu

**Website**

build.missouristate.edu

# Technology and Construction Management Faculty

## Professor

R. Neal Callahan, PhD

## Associate professors

Nebil Buyurgan, PhD

Richard J. Gebken, PhD

Martin P. Jones, PhD

## Assistant professor

Kevin M. Hubbard, PhD

Aaron D. Sauer, PhD

## Senior instructors

Nancy L. Asay, MEd

David S. Joswick, MTech

Marciann Patton, MEd

## Instructor

Jacob A. Nelson, PE, MS

## Emeritus faculty

Robert B. Beach, EdD

Gary O. Bennett, MS

Lawrence C. Drake, EdD

Rita S. Hawkins, PhD

Clifford L. House, EdD

Keith L. Johnston, EdD

Yuan H. Liu, PhD

Charles R. McKenzie, EdD

John T. Pearl, MS

Orin R. Robinson, EdD

Jerry D. Routh, EdD

Eugene G. Sherrell, EdD

Dianne K. Slattery, PE, PhD

Rathel R. Smith, MS, CPI

Houston Taylor, EdD

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# Technology and Construction Management Courses

## Technology and Construction Management (TCM) courses

**TCM 110 Introduction to Engineering Design**

Introduction to design, computational methods, and design communication techniques. Computer aided design and computational analysis tools are introduced. Orthographic drawing, sketching theory and conventions, auxiliaries, sections, traditional dimensioning and tolerancing, and geometric dimensioning and tolerancing are introduced. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**TCM 121 Construction Principles and Practice**

An introductory course which investigates the principles and practices associated with common building structural systems-includes foundations, heavy timber, masonry, steel, sitecast concrete, and precast concrete. Course will focus on the development of a fundamental knowledge base for managing construction projects through case study and hands-on experience. Lab activities may include job site visits, Habitat for Humanity, and concrete field testing. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**TCM 122 Construction Materials and Methods**

An introductory course which provides an overview of the materials and methods used in light framing and building finish systems from floor to roof and from exterior cladding to interior finishes. Includes wood light framing, light gage metal framing, roofing, glass and glazing, cladding systems, windows and doors, interior finishes, ceilings, and floors. This course will focus on development of a fundamental knowledge base through case-study, detailed product analysis, and hands-on experience. Lab activities may include job site visits and work with Habitat for Humanity or other service agencies. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 123 Introduction to Construction for Non-Construction Majors**

An introductory course which explores materials, principles and practices associated with building systems used in commercial and residential construction. Topics of discussion will include structural systems, light framing, roofing, exterior cladding systems and interior finishes. External class activities may include jobsite visits.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 221 Construction Documents and Quantity Take-off**

*Prerequisite: TCM 121 or TCM 122 or TCM 123.*

An introduction to construction drawings and specifications. The course will focus on quantity take-offs to use and interpret plans, details, sections, and elevations.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**TCM 223 Construction Surveying**

*Prerequisite: TCM 221; and MTH 261 or MTH 287.*

Construction field engineering activities to include surveying, site layout and dimensional control. Interpretation of plot books, site plans, and topographic maps is also included.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**TCM 226 Construction Project Administration**

*Prerequisite: TCM 221.*

A study of the legal and administrative aspects of construction projects. Includes use of documents, subcontracting, purchasing, changes, claims, payments, and closeout.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 267 Statics**

*Prerequisite: PHY 123 or PHY 203; and MTH 261 or 287.*

A study of the mechanics of forces associated with rigid bodies in equilibrium. Development of problem solving skills.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 273 Mechanics of Materials**

*Prerequisite: PHY 233.*

Introduces the principles of mechanics necessary for the solution of technical problems relating to strength, stiffness, and material selection, and is the student's first course in mechanical design. Topics covered include stress, strain, pressure vessel analysis, torsion, beams, columns, and combined stresses at a point.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 281 Dynamics**

*Prerequisite: PHY 233.*

An in-depth, quantitative treatment of technical problems involving motion and acceleration. Topics include plane motion; three dimensional motion; force, mass and acceleration; mechanical work and energy; and impulse and momentum. Linear and angular momentum.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 296 Readings in Technology**

*Prerequisite: permission of department head.*

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**TCM 297 Topics in Technology**

A variable content course with topics that can change from semester to semester depending on faculty and student interests. Consult the semester class schedule for the current offering under this number. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**TCM 299 Cooperative Education in Technology**

*Prerequisite: permission of department head.*

The opportunity to earn academic credit in a planned learning process that integrates supervised work experience and education in an approved industrial setting. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**TCM 303 Facilities Operation and Maintenance**

Introduces history and concepts of facility management, with emphasis on definition of key terms and concepts. Introduction to operations and maintenance of buildings with an emphasis on techniques utilized to maintain facilities.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 311 Product Conceptualization and Design**

*Prerequisite: TCM 331.*

This course introduces product design as an iterative decision-making process. It also presents cost estimation and analysis. Students complete an integrative design project that applies the engineering design process to a real-world engineering problem.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 313 Facility Design**

*Prerequisite: TCM 221.*

Using Building Information Modeling for facility space design and requirements analysis, construction materials selection, and quantity schedule development.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 315 Thermodynamics and Heat Transfer**

*Prerequisite: MTH 280 and PHY 203.*

Introduces the concepts, laws, and problem solving methodologies needed for the solution of technical problems involving energy conversion, thermodynamics, and heat transfer. Topics covered include gas, vapor, and fluid properties; the laws of thermodynamics; and convective, radiative, and conductive heat transfer.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 318 Structural Design Principles**

*Prerequisite: TCM 267.*

The design of simple structural members used in construction. Topics include applications in concrete, steel, soils and wood, form design and other temporary structures used in construction.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 320 Construction Contracts, Specifications and Law**

*Prerequisite: LAW 231 or TCM 303.*

An introduction to basic construction contracts, specifications, and law. Discussion of the application of contract principles to construction contracts, together with a detail summary of specifications and other documents which form an essential part of construction contracts. Legal topics of special interest to construction professionals will also be discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 321 Mechanical Systems for Buildings**

*Prerequisite: TCM 121 or TCM 122 or TCM 123; and MTH 135 or higher.*

This course addresses the principles and practices of heating, ventilation, cooling, plumbing and fire protection systems used in residential, commercial and industrial applications. Emphasis is placed on coordination of design, applicable codes, installation, and problem solving.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 322 Electrical Systems for Buildings**

*Prerequisite: TCM 221.*

This course addresses the principles and practices of electrical and lighting systems used in residential, commercial and industrial applications. Emphasis is placed on coordination of the NEC, design, and installation of various systems in the building process. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 324 Construction Cost Estimating**

*Prerequisite: TCM 221.*

A project oriented course where quantification and pricing of direct field costs and general condition costs from construction plans and specifications are developed. Course topics also include: development of feasibility, conceptual, lump sum, and unit costs estimates, production rates; development of bidding strategy; computerization estimates; and presentation of the bid.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**TCM 325 Fluid Mechanics**

*Prerequisite: TCM 315.*

Fundamentals of fluid mechanics. Properties of liquids and gases; fluid statics; fluid dynamics; hydraulic and pneumatic machines. Theory of incompressible flow.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 326 Construction Soils and Foundations**

*Prerequisite: TCM 267.*

An overview of the nature of soil materials and their engineering properties is coupled with simple, direct examples of analysis to show how construction methods and operations may be controlled or influenced. Introduces updated information developed in research and practices for applications to construction operations. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 331 Materials and Manufacturing Processes**

*Prerequisite: TCM 273.*

Properties of engineering materials, heat treatment, measurement and inspection, casting, forging, machining, and other traditional manufacturing processes. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 337 Quality Control and Measurement**

This course covers basic techniques of quality control and metrology. Topics covered include basic statistics, process capability, statistical process control, sampling, and measuring and gauging techniques.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 347 Electrical Circuits**

*Prerequisite: TCM 322 or PHY 204.*

This course provides an in-depth treatment of electrical circuit analysis. Both theory and practical applications are discussed. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**TCM 350 Management and Control of Quality**

A study of management and control of quality as applied to both production and service enterprises. Topics include: basic quality systems, quality planning, international quality systems, supply chain management. In addition, an introduction to six sigma and design of experiments is included.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 354 Facility Planning**

Investigates programming and space allocation for facility managers executing planned development. Master, strategic, and daily planning tools are explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 355 Production Planning and Control**

*Prerequisite: 53 hours.*

Production planning and control activities in the various industrial environments. Focus will be placed on the necessary prerequisites for an effective shop floor control system including computer simulation and modeling. Assemble-to-order, engineer-to-order, make-to-order, and make-to-stock are emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 358 Introduction to Technology Management**

Provides students with a conceptual framework for understanding the social and economic environment of contemporary technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 359 Principles of Project Management**

*Prerequisite: 53 hours.*

A study of project management including the planning, organizing, directing, controlling, and coordinating functions used to achieve productivity enhancements in an industrial environment. Includes project management case studies from a variety of industries. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**TCM 361 Service Learning in Technology**

*Prerequisite: 30 hours and concurrent registration in an TCM course designated as a service learning offering.*

This service component of an existing course incorporates community service with classroom instruction in industrial management to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of a participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**TCM 365 Computer Integrated Manufacturing**

*Prerequisite: TCM 110 and TCM 347.*

A study of the design, integration, and information flow, associated with automated manufacturing systems. Topics covered include CAD/CAM, robotics, and PLC applications.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**TCM 366 Energy and Control Systems**

*Prerequisite: TCM 347; or TCM 321 and TCM 322.*

Comprehensive overview of building operating systems and their design and functions. In-depth analysis of the various types of building mechanical systems.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 396 Readings in Technology**

*Prerequisite: permission of Department Head.*

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**TCM 397 Topics in Emerging Technology**

A variable content course that reflects the latest developments, applications, and opportunities associated with emerging technologies. Current research at the Center for Applied Science and Engineering (CASE) is emphasized. Consult the semester class schedule for the current offering under this number. May be repeated for a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**TCM 399 Cooperative Education in Industry**

*Prerequisite: 60 hours and permission of Department Head.*

The opportunity to earn academic credit in a planned learning process that integrates supervised work experience and education in an approved industrial setting. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**TCM 401 Facility Management**

*Prerequisite: TCM 354.*

Students examine how facilities, building operations, and maintenance functions are managed. Examines non-building related services. Focuses on security, food services, reprographics, transportation, property disposal, purchasing, and mail and messenger services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 402 Facility Administration**

*Prerequisite: TCM 354.*

Covers the procedural, tracking, and resource requirements needed to carry out the responsibilities assigned to the facility function. Topics of study include portfolio management, contracts and specifications, and the coordination of personnel.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 411 Mechanical Design and Analysis**

*Prerequisite: TCM 331.*

This course deals with mechanism design and design for manufacture. Topics include tolerancing, material selection, cost estimation, process planning, product fabrication, and mechanism synthesis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 424 Mechanical and Electrical Systems Estimating**

*Prerequisite: TCM 321 and TCM 322 and TCM 324.*

Quantity take-off and cost estimating for specialty construction work including plumbing, mechanical, and electrical systems. Students perform a complete take-off, pricing, and bid preparation for a small commercial construction project.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**TCM 425 Construction Planning and Scheduling**

*Prerequisite: TCM 324.*

Introduction to the basic principles, techniques, and practices used by contractors to plan, schedule, and update construction projects timelines. Extensive use of commercial scheduling software.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**TCM 427 Construction Equipment Management**

*Prerequisite: TCM 324.*

Study of the basic principles, practices, and techniques used in the construction industry for selecting and managing construction equipment. Focuses on understanding the time value of money, estimating equipment ownership and operating costs, selecting the proper equipment for specific construction tasks, and estimating equipment production.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 438 Systems Integration**

*Prerequisite: TCM 365 or TCM 366.*

A project based course in distributed system integration and control. Students will gain experience in hardware interfacing, control software development, and system performance metric data collection and evaluation. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 453 Construction Cost Management**

*Prerequisite: ACC 201 and TCM 324.*

Introduction to financial and cost concepts used in the construction industry. Emphasizes the analysis and use of financial statements, job cost accounting systems, and cost control.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 454 Construction Safety Management**

*Prerequisite: 53 hours.*

Occupational safety and health standards and codes as they relate to the construction industry. Job-site safety assessment, safety program elements, accident costs and prevention, ethics and management practices.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**TCM 455 Safety Management**

Occupational safety and health standards and codes. Hazard recognition, accident costs, accident prevention, ethics and administration. OSHA certification is not offered with this course. Cannot receive credit for both TCM 454 and TCM 455.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 456 Supervision**

*Prerequisite: 53 hours.*

A study of the role of the supervisor and the concepts and techniques that may be utilized to optimize productivity. Topics include the legal aspects of supervision, roles and responsibilities of the supervisor and guiding teamwork.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 458 Technology Management**

*Prerequisite: TCM 358.*

Technology issues related to operations and production management. Focuses on the design, management, and improvement of operation systems and processes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 491 Management Competition**

*Prerequisite: permission.*

Participation in planning, preparation, execution and debriefing for a management competition team sponsored by industry or an educational association, and coached by a member of the department faculty. The fulfillment of these requirements must be verified by the faculty coach and the department head. Participation in all aspects of the competition is required. May be repeated to a total of 3 hours. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**TCM 494 Professional Internship**

*Prerequisite: permission of department head.*

Recommend completion during the summer preceding the senior year. The integration of supervised work experience and education in an approved industrial setting. May also serve as the information gathering phase of the capstone project in which students demonstrate achievement of program objectives through solution of a problem provided by an industry sponsor. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**TCM 497 Topics in Emerging Technology**

*Prerequisite: permission of department head.*

A variable content course that reflects the latest developments, applications and opportunities associated with emerging technologies. Current research at the Center for Applied Science and Engineering (CASE) is emphasized. Consult the semester class schedule for current offerings under this number. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**TCM 498 Senior Design**

*Prerequisite: TCM 411 and TCM 511.*

Capstone experience for all engineering technology majors. Students will participate in interdisciplinary teams to perform applied research, bringing a product from conceptual design through manufacture. Activities will include detail design and tolerancing, material selection, cost estimation, process planning, schedule and material requirements planning, distribution system design, software planning and implementation, and product fabrication. Course deliverables will include a written report, all design data and analyses, and one or more working, physical products. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**TCM 499 Senior Project**

*Prerequisite: permission of department head.*

A capstone project in which students demonstrate attainment of program objectives through solution of a problem provided by an industry sponsor. Requires technical report and oral presentation. Evaluated by committee from faculty and industry. Team projects are permissible and encouraged.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**TCM 502 Healthcare Facility Management**

*Prerequisite: MTH 181 and TCM 401.*

Examines facility management attributes related to maintenance and operations; regulatory compliance; planning, design and construction; and administration unique to healthcare. May be taught concurrently with TCM 602. Cannot receive credit for both TCM 502 and TCM 602.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 503 Project Risk Analysis**

*Prerequisite: TCM 337 or QBA 237.*

In-depth analysis of the types of risks that threaten projects at each stage of development. Strategies used to recognize risks, assess probabilities and potential impacts, steps to respond to project risks. Tools used to analyze and plan for managing project risk. May be taught concurrently with TCM 603. Cannot receive credit for both TCM 503 and TCM 603.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 511 Product Design and Development**

*Prerequisite: TCM 359; and 80 hours; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.*

An overview of the product development process from concept generation to design in an entrepreneurial environment. The perspectives of marketing, design and manufacturing are blended into a single approach to product development. Provides students with an appreciation for the realities of industrial practice and for the complex and essential roles played by the various members of product development teams. May be taught concurrently with TCM 611. Cannot receive credit for both TCM 511 and TCM 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 545 Project Control Systems**

*Prerequisite: TCM 359; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.*

Advanced application of microcomputers with an emphasis on their use in project control. Topics include project control planning and objectives, change control processes, project documentation and communication, project progress/variance reports, payment requisitions, project closure activities, and project lessons learned systems. May be taught concurrently with TCM 645. Cannot receive credit for both TCM 545 and TCM 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**TCM 551 Cost Analysis for Project Management**

*Prerequisite: 80 hours; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.*

The use of cost analysis as a decision-making tool in the context of project management. Topics include the time value of money, analysis of alternatives, decision-making under risk, estimating, cost accounting, and capital budgeting. May be taught concurrently with TCM 651. Cannot receive credit for both TCM 551 and TCM 651.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 555 Statistical Quality Control and Design of Experiments**

*Prerequisite: QBA 237 or equivalent; and 80 hours; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.*

Topics include the practice of statistical techniques widely used in industry to improve quality, reduce costs, and optimize processes. Minimization of variability and basic approaches to statistically designed experiments are emphasized. May be taught concurrently with TCM 655. Cannot receive credit for both TCM 555 and TCM 655.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 596 Readings in Technology Management**

*Prerequisite: permission of department head.*

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with TCM 696. Cannot receive credit for both TCM 696 and TCM 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**TCM 597 Topics in Technology Management**

A variable content course with topics that depend on faculty and student interests. Consult the semester class schedule for the current offering under this number. May be repeated up to a total of 9 hours when content varies. May be taught concurrently with TCM 697. Cannot receive credit for both TCM 597 and TCM 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**TCM 602 Healthcare Facility Management**

*Prerequisite: permission.*

Examines facility management attributes related to maintenance and operations; regulatory compliance; planning, design and construction; and administration unique to healthcare. May be taught concurrently with TCM 502. Cannot receive credit for both TCM 602 and TCM 502.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 603 Project Risk Analysis**

*Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.*

In-depth analysis of the types of risks that threaten projects at each stage of development. Strategies used to recognize risks, assess probabilities and potential impacts, steps to respond to project risks. Tools used to analyze and plan for managing project risk. May be taught concurrently with TCM 503. Cannot receive credit for both TCM 603 and TCM 503.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 611 Product Design and Development**

*Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.*

An overview of the product development process from concept generation to design in an entrepreneurial environment. The perspectives of marketing, design and manufacturing are blended into a single approach to product development. Provides students with an appreciation for the realities of industrial practice and for the complex and essential roles played by the various members of product development teams. May be taught concurrently with TCM 511. Cannot receive credit for both TCM 611 and TCM 511.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 645 Project Control Systems**

*Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.*

Advanced application of microcomputers with an emphasis on their use in project control. Topics include project control planning and objectives, change control processes, project documentation and communication, project progress/variance reports, payment requisitions, project closure activities, and project lessons learned systems. May be taught concurrently with TCM 545. Cannot receive credit for both TCM 645 and TCM 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**TCM 651 Cost Analysis for Project Management**

*Prerequisite: acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.*

The use of cost analysis as a decision-making tool in the context of project management. Topics include the time value of money, analysis of alternatives, decision-making under risk, estimating, cost accounting, and capital budgeting. May be taught concurrently with TCM 551. Cannot receive credit for both TCM 651 and TCM 551.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**TCM 655 Statistical Quality Control and Design of Experiments**

Topics include the practice of statistical techniques widely used in industry to improve quality, reduce costs, and optimize processes. Minimization of variability and basic approaches to statistically designed experiments are emphasized. May be taught concurrently with TCM 555. Cannot receive credit for both TCM 655 and TCM 555.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**TCM 696 Readings in Technology Management**

*Prerequisite: permission of department head.*

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with TCM 596. Cannot receive credit for both TCM 696 and TCM 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**TCM 697 Topics in Technology Management**

A variable content course with topics that depend on faculty and student interests. Consult the semester class schedule for the current offering under this number. May be repeated up to a total of 9 hours when content varies. May be taught concurrently with TCM 597. Cannot receive credit for both TCM 697 and TCM 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**TCM 701 Project Management**

*Prerequisite: acceptance in the Project Management MS or graduate certificate program; or permission of the Project Management Program Director.*

This course provides a comprehensive overview of project management. The culture, principles, and basic techniques of project management are addressed using the project lifecycle as the primary organizational guideline. The project management functions of planning, organizing, motivating and controlling with an emphasis on the application to business and technology are explained. Basic tools of project management such as work breakdown structure, scheduling, contracting, earned value analysis, and risk management are explained and demonstrated.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**TCM 710 Project Leadership**

*Prerequisite: acceptance in the Project Management MS or Graduate Certificate program, or MS in Cybersecurity, or permission of the Project Management MS program director.*

A practical and relevant course that focuses on the people skills needed to manage a project successfully. Prepares students to handle project problems related to communication, motivation, performance, behavior, and crisis. Students analyze real life scenarios and develop solutions that are supported by the latest research to develop skills necessary for strong, effective project leadership.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**TCM 726 Seminar in Project Management**

*Prerequisite: TCM 701; total of 21 graduate hours in the Project Management MS program of study; and permission of Project Management Program Director.*

Presentation and discussion of professional or technical problems in the organization and management of projects. Students are expected to demonstrate the ability to apply the knowledge and experience gained in their program of study to the critical evaluation and analysis of the theory, research and practice of project management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**TCM 740 Management of Innovation and Technology**

*Prerequisite: acceptance in the Project Management MS program or graduate certificate program; or permission of the Project Management Program Director.*

Focuses on the strategic management of technology and innovation in organizations. Builds primarily on broad models of technological evolution and organizational change. Students analyze crucial organizational innovation and technology issues and identify concrete managerial actions to address innovation and technology problems and opportunities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**TCM 750 Advanced Project Management**

*Prerequisite: TCM 701; and a total of 12 graduate hours in the Project Management MS program of study.*

Builds upon the foundation of prerequisite courses by discussing advanced problems encountered in the discipline of project management in a seminar format. Practical examination of projects using the criteria of project excellence and project management maturity models. Students are expected to demonstrate the ability to apply the knowledge and experience gained in their program of study to the critical evaluation and analysis of the theory, research and practice of project management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**TCM 760 Special Investigations**

*Prerequisite: permission of Project Management Program director.*

The student in consultation with the advisor selects for in-depth study an area determined by the interest and background of the students. Based on demand and timeliness of the subject a cluster study group may engage in a joint investigation. May be repeated to a total of 5 hours.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**TCM 792 Graduate Internship**

*Prerequisite: permission of Project Management Program Director.*

Educational experience in cooperation with student's full-time employer. Written, oral, and classroom assignments related to workplace improvement. May be repeated, but no more than 6 hours may be counted as credit toward a masters degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**TCM 798 Research**

*Prerequisite: permission of Project Management Program Director.*

Supervised research in technology. May be repeated, but not more than 3 hours may be counted toward a masters degree. Graded Pass/Not Pass only.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**TCM 799 Thesis**

*Prerequisite: permission of Project Management Program Director.*

Preparation of a thesis. May be repeated, but no more than 3 hours may be counted as credit toward a masters degree. Graded Pass/Not Pass only.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

## Housing and Interior Design (HID) courses

**HID 140 Fundamentals of Design and Interiors**

Art principles and elements applied to interior environments. Projects will expose the student to interior design skills, basic drafting techniques, design terminology, space planning, materials and applications. Interior design as a profession will be discussed.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**HID 201 Studio I**

*Prerequisite: HID 140.*

Space planning and design for both residential design and commercial design. This course will cover interior design specifications, material, and green design.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**HID 202 Studio II**

*Prerequisite: HID 140 and HID 201 and HID 208.*

Residential design projects with emphasis on color and light, presentation techniques as well as universal design.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**HID 208 CAD for Interior Design**

*Prerequisite: HID 140 or TCM 221.*

An overview of AutoCAD, SketchUp, and other relevant software. Both 2- and 3- dimensional aspects are covered in order to design a structure. Design project required.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**HID 241 Residential Design I**

*Prerequisite: HID 140 or concurrent enrollment.*

The design of a residence including the drawing of floor plans and the study of both structural and decorative aspects. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**HID 300 Special Topics in Housing and Interior Design**

Selected topics of contemporary interest in housing and interior design. Offered when resources and demand allow. May be repeated for a total of 6 hours when topics change. Variable Content Course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HID 302 Housing and Interior Design Study Tour**

Study of and visits to museums, international hospitality tours, historic sites, trade shows, conferences, and conventions related to the interior design industry. May be taken for a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HID 303 Studio III**

*Prerequisite: HID 241.*

Kitchen and bath designs and materials, preparing for the National Kitchen and Bath Association certification. Addresses kitchen and bath systems, products, and planning. Also, drawing, design principles, project and business management for kitchen and bath.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**HID 304 Studio IV**

*Prerequisite: HID 201.*

Hotel, restaurant and healthcare design. The interior design of lounges and public dining facilities, guest lodging facilities from urban hotels to resorts, hospital and healthcare interior design using codes and universal design principles.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**HID 325 Pre-Internship Seminar**

*Prerequisite: HID 201 or concurrent enrollment; and HID 241.*

Sourcing and acquisition of an internship are examined. Includes resume writing, phone, email and correspondence etiquette, and interview skills.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HID 340 Sustainable Design**

Examines sustainable design and building practices employed in residential and commercial structures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HID 344 Historical Design Pre 19th Century**

Ancient, Medieval, and Renaissance art, furnishings, and decorative design with emphasis on historical relevance for the 21st century.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HID 346 Historical Design: 19th - 21st Century**

An overview of interiors, furnishings, and related structure design during the 19th - 21st century with emphasis on historical relevancy for the 21st century.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HID 400 Problems in Housing and Interior Design**

Independent study for those who wish additional work in specific subject areas.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HID 405 Studio V**

*Prerequisite: HID 140.*

Retail design and display and presentation techniques design from store planning to merchandise display.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**HID 406 Studio VI**

*Prerequisite: HID 208.*

Advanced presentation techniques, digital portfolio and models.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**HID 408 Computer Applications for Interior Design**

*Prerequisite: HID 208.*

Various computer programs with an emphasis on presentation and portfolios.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**HID 424 Business Practices**

*Prerequisite: HID 201 and HID 405 and LAW 231 and ACC 201; and 90 hours.*

Business principles and practices of interior design and Senior Show. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HID 441 National Council of Interior Design Qualifications (NCIDQ) and Senior Show**

*Prerequisite: HID 201 and HID 405; and 90 hours.*

Study of NCIDQ written and practical exams.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**HID 499 Internship in Interior Design**

*Prerequisite: HID 201 and HID 241 and HID 325.*

Off-campus, supervised experiences in a cooperative program with a kitchen and bath and/or interior design firm. The student is required to attend a beginning orientation, maintain weekly journals, communication with their faculty advisor and complete the assigned academic work and project appropriate to the experience. The student must work a minimum of 240 hours for a 4 credit hour internship and a minimum of 320 hours for a 6 credit hour internship.

**Credit hours:** 4-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer, Upon demand
Projected offerings

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# Construction Management

## Major(s)

## Construction Management (Comprehensive)

Bachelor of Science

**Admission Requirement**

Passing grade in MTH 261(5) or 287(3).

### Program Requirements

A. General Education Program and Requirements
Specific General Education Requirements:

1. Focus on Social and Behavioral Sciences: ECO 155(3), PSY 121(3)
2. Focus on Public Issues: CIS 200(3) or CSC 210(3)
3. Focus on Written Communication and Integrative and Applied Learning: ENG 321(3) is recommended
4. Focus on Quantitative Literacy: MTH 261(5) or 287(3)
5. Focus on Physical Sciences: PHY 123(4) or PHY 203(5)
6. Focus on Life Sciences: BIO 101(3) or GLG 115(3) is recommended

B. Major Requirements (81 hours)

1. TCM 121(3), 122(3), 221(3), 223(3), 226(3), 267(3), 318(3), 320(3), 321(3), 322(3), 324(3), 326(3), 359(3), 425(3), 427(3); 453(3), 454(3), 494(1), 499(1); ACC 201(3); GLG 110(4) or GRY 142(4); LAW 231(3); MGT 340(3); QBA 237(3)
2. Complete three hours from the following: ACC 211(3), 311(3); BUS 135(3); CIS 201(3); ECO 165(3); FIN 380(3), FIN 368/LAW368(3), LAW 332(1), 335(2), 531(3), 532(3); MGT 345(3), 367(3), 465(3); MKT 350(3), 355(3), 364(3), 365(3), 368(3), 450(3); QBA 337(3)

3. Complete 9 hours of elective coursework from the following courses. Course groupings indicate area of emphasis:

    a. General Construction (9 hours): TCM or HID electives

    b. Mechanical and Electrical Systems Construction (9 hours): TCM 366(3), 424(3), 438(3)

    c. Facility Planning and Design (9 hours): HID 208(3); TCM 313(3), TCM 354(3)

    d. Healthcare Construction (9 hours): TCM 401(3), 502(3), 503(3)

    e. Property Development and Construction (9 hours): FIN 266(3), FIN 367(3), FIN 369(3)

4. No more than 31 hours of coursework from the business units of the College of Business will be allowed.

5. Public Affairs Capstone Experience will be fulfilled by completion of TCM 359(3)

C. General Baccalaureate Degree Requirements

## Minor(s)

### Construction Management

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

A. TCM 123(3), 221(3), 324(3)

B. Complete 6 additional hours from the following: TCM 223(3), 226(3), 425(3), 427(3), 454(3)

## Accelerated graduate program in Project Management

Eligible Missouri State undergraduate students may apply for admission to the Project Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Industrial Management

## Minor(s)

### Industrial Management

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science
Complete 15 hours of the following (course groupings are to indicate possible areas of emphasis):

A. Construction Technology: TCM 121(3), 122(3), 221(3), 359(3), 454(3)

B. Production Technology: ENG 321(3); TCM 355(3), 503(3), 511(3), and one of the following: TCM 110(3), 303(3), 331(3), 354(3), 365(3), 399(3), 499(2), 545(3)

C. Project Management: TCM 110(3), 359(3), 456(3), 545(3), 551(3)

D. Facility Management: TCM 121(3), 122(3), 303(3), 313(3), 359(3)

# Interior Design

## Major(s)

### Interior Design (Comprehensive)

Bachelor of Science

**Admission requirement**

Complete MTH 135(3) with a grade of "C" or better.

**Program requirements**

A. General Education Program and Requirements
   Specific General Education Requirement: MTH 135(3); PSY 121(3)

B. Major Requirements

   1. ART 115(3), 215(3); ACC 201(3) or MKT 350(3); HID 140(3), 201(3), 202(3), 208(3), 241(3), 303(3), 304(3), 325(1), 344(3), 346(3), 405(3), 406(3), 408(3), 424(2), 441(2), 499(4); LAW 231(3); TCM 123(3), 221(3), 313(3), 321(3), 322(3), 324(3)

   2. Public Affairs Capstone Experience will be fulfilled by completion of HID 499(4).

C. General Baccalaureate Degree Requirements

## Minor(s)

### Interior Design

Bachelor of Arts
Bachelor of Science
Complete following 6 courses: HID 140(3), 201(3), 202(3), 208(3), 241(3), 303(3)

# Mechanical Engineering Technology

## Major(s)

### Mechanical Engineering Technology (comprehensive)

Bachelor of Science

**Admission requirement**

"C" grade or better in MTH 261(5)

**Program Requirements**

A. General Education Program and Requirements
   Specific General Education Requirements:

   1. Focus on Quantitative Literacy: MTH 261(5)
   2. Focus on Social and Behavioral Sciences: ECO 155(3), PSY 121(3)
   3. Focus on Physical Sciences: PHY 203(5)
   4. Focus on Written Communication and Integrative and Applied Learning: ENG 210(3)

B. Major Requirements (81-82 hours)

   1. TCM 110(3), 273(3), 281(3), 311(3), 315(3), 325(3), 331(3), 337(3), 347(3), 355(3), 359(3), 365(3), 411(3), 438(3), 498(3), 551(3)
   2. ACC 201(3), CHM 160(4), CHM 161(1); CIS 260(3) or CSC 125(4); MTH 280(5), MTH 345(3), PHY 204(5), PHY 233(3)
   3. Complete six hours of advisor approved upper division elective coursework.
   4. Public Affairs Capstone Experience will be fulfilled by completion of TCM 359(3)

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Project Management

Eligible Missouri State undergraduate students may apply for admission to the Project Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Technology Management

## Major(s)

### Technology Management

Bachelor of Applied Science

A. General Education Program and Requirements

B. Major Requirements

1. Associate of Science or Associate of Applied Science degree from an accredited institution. Contact the department for details.

2. 40 hours of advisor approved upper-division courses, 12 hours of which must be from the Department of Technology and Construction Management to include TCM 358(3) and TCM 359(3)

3. Public Affairs Capstone Experience will be fulfilled by completion of TCM 359(3)

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Project Management

Eligible Missouri State undergraduate students may apply for admission to the Project Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# College of Education

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Child and Family Development (BS, Minor)+

Early Childhood Education (BSEd)+

Elementary Education (BSEd)+

Family and Consumer Sciences (BSEd)+

General Family and Consumer Sciences (Minor)

Middle School Education (BSEd)+

Literacy (Minor)

Special Education/Cross Categorical (BSEd)+

### Graduate

Autism Spectrum Disorders (Certificate)

Child Life Studies (MS)+

Conservation Education (Certificate)

Counseling and Assessment (EdS)

Counseling (MS)

Early Childhood and Family Development (MS)+

Early Childhood Special Education (MSEd)+

Education of Gifted and Talented Students (Certificate)

Educational Administration (MSEd)

Elementary Education (MSEd)+

Elementary Mathematics Specialist (Certificate)

Literacy (MSEd)+

Literacy (Certificate)

Orientation and Mobility (Certificate)

Perspectives about the American Higher Education System (Certificate)

Secondary Education with option in Family and Consumer Sciences (MSEd)

Special Education (MSEd)+

Educational Administration (EdS)

Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia (EdD)

Educational Technology (MSEd)

Educational Technology (Certificate)

Elementary Curriculum and Instruction (Certificate)

Special Education Director (Certificate)

Student Affairs in Higher Education (MS)

Teacher Leadership (EdS)

Teacher Leadership (Certificate)

Teaching, Master of Arts in (MAT)

Teaching and Learning, Master of Arts in (MATL)

Teaching and Learning (Certificate)

## Missouri State Board of Education approved programs

The following professional education programs have received continuing accreditation by the Missouri Department of Elementary and Secondary Education for purposes of teacher preparation and certification.

**Childhood Education and Family Studies**, Dr. Denise Cunningham, 417-836-3262

- Early Childhood Education (Birth-grade 3)
- Elementary Education (1-6)

**Communication Sciences and Disorders**, Dr. Letitia White, 417-836-5368

- Speech/Language Specialist (K-12)
- Deaf/Hearing Impaired (Birth-grade 12)

**Counseling, Leadership, and Special Education**, Dr. James Satterfield, 417-836-5392

## Contact

**Dean**

David L. Hough, PhD

**Associate deans**

O. Gilbert Brown, EdD

James Sottile, EdD

**Office**

Park Central Office Building, Room 106

**Phone**

417-836-5254

**Fax**

417-836-4884

- Special Education:
  - Mild/Moderate: Cross Categorical (K-12)
  - Blind and Partially Sighted (Birth-grade 12)

**Reading, Foundations, and Technology**, Dr. Cathy Pearman, 417-836-6769

- Middle School (5-9):
  - Language Arts
  - Social Studies
  - Mathematics
  - Science
- Additional Middle School endorsements can be added in:
  - Agriculture*
  - Drama*
  - Speech*

**Secondary Education (9-12 and K-12),** Dr. Karen Engler, 417-836-6204

- Agriculture (9-12)
- Art (K-12)
- English (9-12)
  - English for Speakers of Other Languages (K-12)*
- Family and Consumer Sciences (K-12)
- Language, Modern (K-12)
  - French
  - German

**Email**

CollegeofEducation@MissouriState.edu

**Website**

education.missouristate.edu

    - Spanish

- Mathematics (9-12)
- Music (K-12)
    - Instrumental
    - Vocal/Choral
- Physical Education (K-12)
    - Driver's Education (9-12)*
    - Health (K-12)*
- Science (9-12):
    - Biology/Categorical
    - Biology/Unified Science
    - Chemistry/Categorical
    - Chemistry/Unified Science
    - Earth Science/Categorical
    - Earth Science/Unified Science
    - Physics/Categorical
- Social Studies (History) (9-12)
- Speech/Theatre (9-12)

*Only available as an additional area of certification. Student must be concurrently enrolled in another area of Elementary, Middle School, or Secondary Education.

## Teacher certification (postbaccalaureate)

Students who have already obtained a bachelor's degree and are seeking Missouri state teacher certification should contact the Teacher Certification Office, Hill Hall, room 200B, 417-836-

8772. This office provides a program evaluation and transcript analysis service for initial certificates ($25 fee required), advisement and assistance to gain certification and/or additional endorsements.

# Department of Childhood Education and Family Studies

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Child and Family Development (BS, Minor)+

Early Childhood Education (BSEd)+

Elementary Education (BSEd)+

Family and Consumer Sciences (BSEd)+

General Family and Consumer Sciences (Minor)

### Graduate

Child Life Studies (MS)+

Conservation Education (Certificate)

Early Childhood and Family Development (MS)+

Early Childhood Special Education (MSEd)+

Education of Gifted and Talented Students (Certificate)

Elementary Curriculum and Instruction (Certificate)

Elementary Education (MSEd)+

Elementary Mathematics Specialist (Certificate)

Secondary Education/Family and Consumer Sciences (MSEd)

## Accreditations

- Missouri Department of Elementary and Secondary

## Contact

Education – Early Childhood Education (BSEd); Elementary Education (BSEd, MSEd); Family and Consumer Sciences (BSEd); Secondary Education/Family and Consumer Sciences (MSEd)

- Council for the Accreditation of Educator Preparation – Early Childhood Education (BSEd); Elementary Education (BSEd, MSEd); Family and Consumer Sciences (BSEd); Secondary Education/Family and Consumer Sciences (MSEd)

## General information

### Child Development Center

The Center provides a high quality developmentally appropriate early childhood program for children 6 weeks to 5 years, and a laboratory for students. The laboratory experience allows students to link educational theory with practice by observing and working with young children. In addition to a high quality program for children of university students, faculty and staff, and the community the Child Development Center provides opportunities for research and reflects a commitment to diversity.

### Health, Insurance, and Registry Requirements

All students must maintain a current negative tuberculin skin test; obtain professional liability insurance; and complete the Family Care Safety Registry before going out to any field experience. Fees are required for the tuberculin skin test, the registry, and pre-professional liability insurance. For additional information, contact the Professional Education Advisement Center,  417-836-5429.

**Department head**

Denise D. Cunningham, PhD

**Office**

Strong Hall, Room 107-108

**Phone**

417-836-3262

**Fax**

417-836-8900

**Email**

cefs@missouristate.edu

**Website**

education.missouristate.edu/ce

# Childhood Education and Family Studies Faculty

## Professors

Sabrina A. Brinson, PhD

Denise D. Cunningham, PhD

James A. Meyer, PhD

## Associate professors

Joanna J. Cemore Brigden, PhD

Diana L. Piccolo, PhD

Joan E. Test, EdD

## Assistant professors

Chloe Bolyard, PhD

Amanda Benedict Chambers, PhD

Tammi Davis, PhD

Elizabeth K. King, PhD

Stefanie Livers, PhD

Sascha Mowrey, PhD

Jennifer Rojas-McWhinney, PhD

Brittany M. Wittenberg, MA

## Clinical assistant professor

Gina M. Wood, EdD

## Clinical instructors

Robin L. Koerber, MSEd

Kim J. Roam, MS

Michelle A. Satterfield, MAT

Melissa J. Schotthofer, MA

Cara L. Smith, MA

Sara L. Tipton, EdS

## Instructors

Christine L. Combs, EdD

Vickie L. Haynes, EdS

Cynthia McMeley, MS

Debra A. Price, MSEd

## Emeritus faculty

Roberta J. Aram, PhD

David W. Brown, EdD

Haldon D. Funk, EdD

Suzanne M. George, PhD

Cynthia K. Hail, PhD

John M. Hail, PhD

Mary Beth Mann, PhD

John F. Newport, EdD

Linda K. Peacock, MEd

Peggy S. Pearl, EdD

Dale G. Range, EdD

Barbara A. Sperling, EdD

Roger N. Tipling, EdD

Myrna L. Walker, MSEd

Joretta L. Wilcox, MSEd

Missouri State

Office of the Registrar

Undergraduate Catalog



# Childhood Education and Family Studies Courses

## Child and Family Development (CFD) courses

**CFD 110 Health, Safety and Nutrition**

Introduces curriculum, regulations, standards, policies, procedures and current trends related to health, safety and nutrition of children and families. Recognize and create safe environments for children, universal precautions and menu planning to meet the nutritional needs of children. Emphasis placed on integrating and maintaining optimal health, safety, and nutritional concepts in every day planning and program development for all children.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 150 Introduction to Child and Family Development**

*Prerequisite: permission of instructor.*

The scope of this course is a study of the field of child and family development. Professional opportunities and analysis of personal proficiencies will be the focus.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 155 Principles of Human Development**

*General Education Course (Focus on Social and Behavioral Sciences).*

Basic principles that govern human development from the prenatal period to death; developmental tasks and interrelations of family members through the life span.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 160 Principles of Development in Early Childhood**

Development of the child from conception through 8 years of age including weekly laboratory experience with preschool children.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CFD 163 Relationships in Today's Families**

*General Education Course (Focus on Social and Behavioral Sciences).*

Personal and family living in the early stages of family life cycle. Concepts and methods used in initiating, building, maintaining and enriching relationships.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 197 Introductory Topics in Child and Family Development**

Variable content course for introductory concepts in Child and Family Development. May be repeated to a total of 6 hours when topics change.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CFD 250 Parenting in Contemporary Society**

Explores parenting and child rearing in today's society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CFD 255 Principles of Development in Infancy**

*Prerequisite: CFD 160.*

Child from conception through two years, including prenatal environment. Two hours laboratory experience weekly in infant-toddler child development laboratory.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**CFD 256 Supervised Experience in the Infant Toddler Center**

Experience in applying effective techniques that optimize infant toddler development with 2-hours per week of participation in the infant toddler laboratory.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CFD 257 Principles of Development in Middle Childhood**

Development of the child from six through twelve years in cognitive, physical, social, emotional aspects. Contact with groups of children in this age range is arranged.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 260 Observing, Assessing, and Creating Activities for Young Children**

*Prerequisite: CFD 160.*

Experience in applying the most effective techniques for maximum growth in the physical, social, emotional and mental development of the whole child. Influences of a safe and healthful environment upon the child's development. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**CFD 300 Special Topics in Child and Family Development**

*Prerequisite: permission of department.*

Selected topics of contemporary interest in Child and Family Development, offered when resources and demand allow. May be repeated to a total of 6 hours when topics change. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CFD 301 Play as Development**

A study of play and its relationship to typical and atypical development in the physical, cognitive, language, moral, social, and emotional domains. Factors that influence play such as environment, adults, children, attitudes, and beliefs are discussed. The role of play for all people throughout the lifespan is examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CFD 303 Service Learning Child and Family Development**

*Prerequisite: 30 hours and concurrent enrollment in a designated service learning offering within one of the major areas of study in Child and Family Development.*

A service learning course incorporates a community service experience with classroom instruction to provide an integrative learning experience which addresses the practice of citizenship and promotes awareness of and participation in public affairs/service. Requires 40 hours of service to a community organization, agency, or public service provider. The community service placement and assignment will vary, depending on the specialization area and learning objectives. A list of approved placements will be available from the instructor and the Citizenship and Service Learning Office. Students are required to participate in a service learning training session(s) prior to beginning their service placement. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CFD 304 Outdoor Play**

Provides information on the importance of outdoor play, how to choose materials and equipment, adult roles and current research on outdoor play. Students will learn how to evaluate outdoor play environments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 305 Multicultural Studies in Child and Family Development**

A study of multicultural education for young children and their families. Emphasizes communication processes, recognizes cognitive and affective development, presents effective techniques and strategies that meet the needs of young children and families with diverse backgrounds.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CFD 306 Separation and Loss**

This online course will provide a broad overview of the psychological aspects of separation and loss in our society. Topics include attitudes toward and preparation for death; the understanding of and care for terminally ill patients, burial, mourning, and grief practices, grief counseling, suicide and euthanasia. This course covers how to assist children with loss, great or small, from divorce, moving, hospitalization, trauma or death. Readings and classroom activities will be supplemented by students' self-exploration and writing on feelings, attitudes, and beliefs about separation and loss.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**CFD 350 Seminar in Child and Family Development**

Readings, discussion and analysis of trends and issues in child and family development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 353 Childhood Illnesses, Injuries, Diseases and Disorders**

This online course will provide an overview of the common childhood illnesses, injuries, diseases and disorders for non-medical professionals who work in the health care field. Topics will assist the person in developing the skills and knowledge for working with ill and hospitalized children. This course is an introduction to pediatric care in heath care settings. It is designed to educate non-medical professionals (Child Life Specialists, Social Workers, Chaplains, Patient Advocates, etc.) who will work in the health care field on medical issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Summer
Projected offerings

**CFD 354 Working with the Hospitalized Child**

*Prerequisite: CFD 160.*

Students will learn principles, concepts, techniques, and skills in the provision of programs and services to hospitalized children. Areas of emphasis include: reactions of children to hospitalization, importance of play, planning a play program and preparing children for medical encounters. This course will include a weekly laboratory experience within a Child Life Program of a local hospital.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**CFD 360 Planning and Implementing Curriculum for Child Development Centers**

*Prerequisite: CFD 260.*

Planning and implementing curriculum to meet the cognitive, emotional, physical, creative and social development needs for young children. Using literacy techniques learned and practiced in class and at the Child Development Center, the students will also share information within the community at libraries and in low-income child care facilities. Supporting young children, their families and teachers/caregivers in their environment is the focus of this course. This enhances our mission to encourage literacy in all parts of children's lives.

**Credit hours:** 5
**Lecture contact hours:** 2
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**CFD 361 Principles of Family Development**

Development trends occurring in family units from premarital interactions to death and/or divorce. Lectures and discussions will apply developmental principles to today's family life styles.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CFD 365 Families in Later Life**

*Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.*

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with GER 365, PSY 366 and SWK 365. Can only receive credit for one of following: CFD 365, GER 365, PSY 366 or SWK 365.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CFD 366 Preparation for the Professional Internship**

Prepares the Child and Family Development student for an internship and professional practice, including discussion of professional/ethical issues and behavior, choosing professional development sites, setting goals, writing resumes, and interviewing skills and certification.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 400 Problems in Child and Family Development**

*Prerequisite: 90 hours and permission.*

Independent study for those who wish additional work in specific subject areas.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CFD 454 Therapeutic Play Activities for Hospitalized Children**

*Prerequisite: CFD 354.*

The focus is to develop skills needed for working with ill and hospitalized children in developmental activity programs. This course explores ways in which Child Life Specialists serve children in different developmental stages and from diverse cultural environments including weekly hospital laboratory experience of playroom and bedside activities with hospitalized children and their families.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**CFD 455 Infants and Toddlers: Development and Program Planning**

*Prerequisite: CFD 260 and 60 hours.*

A study of the infant from conception through two years with a 3-hour weekly laboratory in an infant toddler center. Application of developmentally appropriate practice through laboratory participation, portfolios, and curriculum planning. Negative tuberculin test and completion of the Family Care Safety Registry required.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CFD 466 Internship in Programs for Children, Youth, Adults, and Families**

*Prerequisite: CFD 366.*

Supervised active learning experiences with children, youth, or families in human service agencies; observation, discussion, and evaluation of the student's experiences. Advance registration with course instructor required. May be repeated for up to 12 hours credit. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:** 0
**Lab contact hours:** 12

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CFD 499 Practicum in Child and Family Development**

*Prerequisite: permission of subject matter professor.*

Off-campus, supervised experience in a cooperative program with business, government, community, or related establishments within any of the specialized areas of child and family development. In addition to the outline agency involvement, the student is (1) required to attend a beginning orientation and a follow-up seminar, and (2) complete assignments appropriate to subject matter specialization. May be repeated up to 12 hours credit.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CFD 500 Issues in Child and Family Development**

*Prerequisite: permission.*

Advanced inquiry into specialized areas of study in Child and Family Development. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with CFD 600. Cannot receive credit for both CFD 600 and CFD 500.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CFD 505 Trends and Issues in Youth Development**

Advanced inquiry into historical and contemporary foundations of youth development primarily from ten to eighteen years in cognitive-, physical-, social-, emotional-, moral-, spiritual-, and creative aspects. The course involves student engagement in community-based observations, interactions, and applications related to youth developmental models.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 510 Child Life Theory and Practice**

Examines concepts and principles of the child life profession. Students will strengthen their theoretical knowledge and clinical skills to prepare themselves for supporting children and their families in the healthcare setting in ways that promote optimal coping and development. May be taught concurrently with CFD 610. Cannot receive credit for both CFD 510 and CFD 610.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CFD 532 Family Advocacy**

A study of the advocacy process in both the public and private sectors for directing change to benefit families and children. The course involves field trips to locations where decisions are being made that impact families and children. May be taught concurrently with CFD 632. Cannot receive credit for both CFD 632 and CFD 532.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 533 Principles of Family Life Education**

*Prerequisite: junior standing.*

A study of the philosophical and methodological considerations in facilitating family life education programs. Field experiences are a part of this course. May be taught concurrently with CFD 633. Cannot receive credit for both CFD 633 and CFD 533.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CFD 534 Applied Interpersonal Communication Skills**

This course utilizes an interactive format to teach basic communication skills. The course will cover talking and listening skills and a process for addressing relationship issues.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CFD 557 Growth and Development: Middle Childhood to Adolescence**

Overview of current research on development, middle childhood through adolescence (8-18), including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities. May be taught concurrently with CFD 657. Cannot receive credit for both CFD 557 and CFD 657.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CFD 560 Family Engagement**

A study of family engagement programs including family education, volunteerism, leadership development, and advocacy. Students are involved in practicums working with families in a variety of community settings. Family Care Safety Registry required. May be taught concurrently with CFD 660. Cannot receive credit for both CFD 660 and CFD 560.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 562 Prevention of Child Abuse and Neglect**

The primary and secondary prevention of physical, emotional, and sexual abuse and neglect of children. Designed for professionals who work with children and families and are required by law to report suspected incidences of child abuse and neglect. May be taught concurrently with CFD 662. Cannot receive credit for both CFD 662 and CFD 562.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 563 Administration of Programs for Children and Families**

Types, purposes, and administration of programs for children, youth, and families. Development of leadership and management skills. Includes an overview of office policy and procedure, staff and volunteer management, public relations, budgeting, and quality assurance. May be taught concurrently with CFD 663. Cannot receive credit for both CFD 563 and CFD 663.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CFD 580 Introduction to Undergraduate Research**

*Prerequisite: 60 hours.*

Provides an introduction to empirical research and a variety of research approaches common to the social sciences. Relevant terms and statistical concepts will be presented. Research methods and experimental designs, including locating and analyzing research articles from the professional literature will be introduced.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CFD 600 Issues in Child and Family Development**

*Prerequisite: permission.*

Advanced inquiry into specialized areas of study in Child and Family Development. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with CFD 500. Cannot receive credit for both CFD 500 and CFD 600.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CFD 610 Child Life Theory and Practice**

This course examines concepts and principles of the child life profession. Students will strengthen their theoretical knowledge and clinical skills to prepare themselves for supporting children and their families in the healthcare setting in ways that promote optimal coping and development. May be taught concurrently with CFD 510. Cannot receive credit for both CFD 610 and CFD 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 632 Family Advocacy**

A study of the advocacy process in both the public and private sectors for directing change to benefit families and children. The course involves field trips to locations where decisions are being made that impact families and children. May be taught concurrently with CFD 532. Cannot receive credit for both CFD 532 and CFD 632.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 633 Principles of Family Life Education**

A study of the philosophical and methodological considerations in facilitating family life education programs. Field experiences are a part of this course. May be taught concurrently with CFD 533. Cannot receive credit for both CFD 533 and CFD 633.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 657 Growth and Development: Middle Childhood to Adolescence**

Overview of current research on development, middle childhood through adolescence (8-18), including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities. May be taught concurrently with CFD 557. Cannot receive credit for both CFD 657 and CFD 557.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 660 Family Engagement**

A study of family engagement programs including family education, volunteerism, leadership development, and advocacy. Students are involved in practicums working with families in a variety of community settings. Family Care Safety Registry required. May be taught concurrently with CFD 560. Cannot receive credit for both CFD 560 and CFD 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 662 Prevention of Child Abuse and Neglect**

The primary and secondary prevention of physical, emotional, and sexual abuse and neglect of children. Designed for professionals who work with children and families and are required by law to report suspected incidences of child abuse and neglect. May be taught concurrently with CFD 562. Cannot receive credit for both CFD 562 and CFD 662.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 663 Administration of Programs for Children and Families**

Types, purposes, and administration of programs for children, youth, and families. Development of leadership and management skills. Includes an overview of office policy and procedure, staff and volunteer management, public relations, budgeting, and quality assurance. May be taught concurrently with CFD 563. Cannot receive credit for both CFD 663 and CFD 563.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CFD 701 Orientation to Early Childhood and Family Development**

*Prerequisite: admission to the Early Childhood and Family Development graduate program.*

Orientation to the program and examination of seminal reading in the field.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 702 Community Engagement**

Analysis of service-learning/community engagement. The main tenets of community engagement/service learning are analyzed, the community need, the academic enhancement, and reflection. The roles of all involved in community engagement/service learning, the teachers, the students, and the community partners are studied. Ethical, moral, and civic implications of community engagement/service-learning are also explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 705 Growth and Development: Infancy through Early Childhood**

Overview of current research on children's development, prenatal through age 5 years, including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CFD 750 Advanced Human Development Studies**

Analysis of theories and trends in human development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CFD 761 Advanced Family Studies**

Provides students with an understanding of theories used in the study of families; awareness of current demographics and trends of today's families; examines characteristics of various family structures and social influences impacting family functioning.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 775 Parent and Child Relations**

This course examines relevant theories and current research in parent-child relationships across the life span.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CFD 776 Advanced Studies in Infant Development**

Current research on infant development, prenatal through two years of age. The roles of families and culture in early development. Applications of research findings to practice in infant and toddler care.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Child Life Studies (CLS) courses

**CLS 705 Aspects of Childhood Illness and Disease**

Childhood disease processes and pathophysiology, symptoms, diagnostic tests, and treatment of diseases will be discussed. Information on now disease affects a child and family's behavioral, social and emotional development and coping strategies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CLS 710 Childhood Death and Bereavement**

Various theories and practice specific interventions that assist children/youth or family members when they encounter issues of death, loss, and/or grief. Examination of those issues affecting the student personally or professionally. Development of epistemology regarding death, loss, and grief.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CLS 715 Play and Therapeutic Intervention**

*Prerequisite: CFD 610 and CFD 750.*

Developmental aspects of play and therapy related to developmental stages of children and family in the context of health-care setting. Apply play therapy techniques in dealing with childhood problems such as molestation, physical abuse, depression, trauma, and family conflict.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CLS 720 Trends and Issues in Child Life**

Topics of interest from the profession of Child Life will be discussed through readings, case studies, and review of research. The application of theory and research to current practices in Child Life will be discussed. Potential research topics will be investigated and the thesis literature review will begin. Should be taken prior to SFR 780.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CLS 790 Practicum in Child Life**

*Prerequisite: permission of Child Life Studies Program Director.*

Students carry out play activities; supervise activities that foster creativity, divert child/youth from stress and worry and normalize their environment; and provide opportunities for children/youth to socialize and engage in developmentally appropriate activities. Practicum must be supervised by a certified Child Life Specialist.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CLS 795 Child Life Internship**

*Prerequisite: permission of Child Life Studies Program Director.*

Student will work with children/teens and families in a hospital and/or related clinical setting under the supervision of a certified Child Life Specialist. The student will accumulate 600 hours to meet the eligibility requirement to sit for the Child Life Professional Certification Exam. Special attention will be given to legal, ethical, moral, educational, cultural, spiritual, and gender issues as they relate to working with children, youth, teens and their families.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CLS 798 Proposal Development for Child Life Thesis**

*Prerequisite: SFR 780.*

Students will prepare a proposal for their thesis paper. Information and guidance completing Human Subjects Review will be provided.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CLS 799 Thesis Research in Child Life**

*Prerequisite: CLS 798 and SFR 780.*

Guided development of original research and reporting in a five chapter format.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

## Early Childhood Education (ECE) courses

**ECE 301 Emerging Literacy and Communication Arts**

*Prerequisite: CFD 260 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 302 and ECE 303; and permission.*

This course will focus on the broad areas of emerging literacy and communication arts with particular attention to the early childhood years. The development of listening, oral language, and written comprehension skills as well as an understanding of the contribution of appropriate children's literature to literacy development will be the essential components of this course. Activities, materials, and lessons in these areas will be developed with particular attention to developmentally appropriate methodology. Field experiences are a part of the course. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 302 Social Studies and Sociomoral Development**

*Prerequisite: CFD 260 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 301 and ECE 303; and permission.*

This course will combine the concepts found in the sociomoral domain of Project Construct as well as concepts taught in an elementary social studies curriculum. Students will develop activities, materials, and lessons that focus on the building of relationships with adults and peers, negotiating and applying rules, demonstrating confidence and creativity. Additionally, the curriculum sequences for grades Kindergarten through third, including self, home, school community, school and family, neighborhoods, and communities will be part of this course. Field experiences are a part of the course. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 303 Mathematics and Science for Young Children**

*Prerequisite: CFD 260 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 301 and ECE 302; and permission.*

This course will teach the student methods for the active involvement of young children in the areas of mathematics and science. Students will develop problem solving experiences and hands-on activities of these two areas. The areas of beginning mathematics concepts such as classification, seriation, and counting, as well as problem solving, applications, communication and reasoning will be part of the course. Additionally, the development of concepts in both physical, biological, and earth/space sciences and active student involvement and discovery will be included. Developmentally appropriate methodology will be presented. Field experiences are a part of the course. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 304 The Early Childhood Education Professional**

Historical perspectives of education, specifically early childhood education. Professionalism in the early childhood education field; being a reflective practitioner, formatting and beginning professional materials such as their teaching portfolio, developing their philosophy, and lesson plans; exploring the early childhood professional code of ethics. Initial public school field experience.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 315 Classroom Management and Positive Guidance in the Early Childhood Classroom**

Designed to provide the pre-service early childhood teacher with an introduction to P-3 classroom management strategies. Topics covered include best practices for classroom organization, classroom management, and behavior management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 399 Field Experiences in Early Childhood Education**

*Prerequisite: permission of instructor.*

Student participates in field experiences in area schools or approved organizations. Designed for transfer students who have partially completed the field experiences requirement, students working on early childhood certification which requires additional field experience, or it is deemed necessary that a student needs additional experiences in the field.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECE 400 Special Topics in Early Childhood Education**

*Prerequisite: 45 hours and permission of instructor.*

Independent study for those who wish additional work in specific topic areas. Variable content course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECE 401 Curriculum For Early Childhood Education**

*Prerequisite: ECE 301 and ECE 302 and ECE 303 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 402 and ECE 403.*

Curriculum for early childhood education; underlying principles and applications; relationship to the skills of reading, writing, numbers, spelling, the creative arts, social studies, science. Field experiences are a part of the course. Public Affairs Capstone Experience course. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 402 Assessing Young Children**

*Prerequisite: ECE 301 and ECE 302 and ECE 303 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 401 and ECE 403.*

An overview and analysis of screening and diagnostic techniques and procedures for use by general classroom teachers in determining instructional programs for children from birth-grade three. Procedures for helping teachers develop programs for children from different cultural backgrounds and exceptional students integrated in general classrooms are included. Field experiences are a part of the course. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 403 Integrated Arts in the Early Childhood Curriculum**

*Prerequisite: grade of B or higher in ECE 301 and ECE 302 and ECE 303; admission to the Early Childhood Education major; and concurrent enrollment in ECE 401 and ECE 402.*

Methods and strategies for using the expressive arts (visual art, music, drama, and movement) in the early childhood classroom, which include children of diverse cultures and abilities. Provides culturally responsive instructional models and materials that meaningfully integrate the expressive arts as primary modes of communication and insight to enhance teaching and learning.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 490 Supervised Teaching (Infant/Toddler Settings)**

*Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.*

Students will observe and then teach under the supervision of cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and supervisor will be expected. Students will be involved in the development of lessons, materials, and units for infants and toddlers. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ECE 491 Supervised Teaching (Preschool/Kindergarten Settings)**

*Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.*

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for preschool and Kindergarten children. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ECE 492 Supervised Teaching (Primary Settings)**

*Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.*

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for children in primary settings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ECE 495 Supervised Teaching in Early Childhood Education**

*Prerequisite: all program courses except CFD 560, CFD 563, and ECE 575, which may be taken with or at the completion of supervised teaching; current pre-professional liability insurance; and approval for supervised teaching.*

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for children in primary settings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ECE 496 Supervised Teaching in Early Childhood Education**

*Prerequisite: all program courses except CFD 560, CFD 563, and ECE 575, which may be taken with or at the completion of supervised teaching; current pre-professional liability insurance; and approval for supervised teaching.*

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for children in primary settings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ECE 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ECE 501 Home/School/Community Relationships with Young Children and Their Families**

*Prerequisite: Elementary Education undergraduate students must take ELE 500 concurrently.*

This course offers a transdisciplinary approach designed to enhance the student's understanding of the transactional relationship between the school, child and family. Particular emphasis is placed on family development and dynamics within a pluralistic society including the role that family functioning has on the child's total educational experience. May be taught concurrently with ECE 601. Cannot receive credit for both ECE 601 and ECE 501.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECE 575 Working with Culturally and Linguistically Diverse Children and Families in Early Childhood**

*Prerequisite: EDC 345.*

Begins exploring the disposition toward inquiry needed for ongoing self-development, and focuses on the knowledge and skills needed to infuse culturally and linguistically responsive curriculum. Students will gain an understanding of their professional role in strengthening respectful, collaborative family/child partnerships through effective use of community and family resources. An emphasis will be on learning from families and focusing on how best to support culturally and linguistically diverse young children and their families. May be offered concurrently with ECE 675. Cannot receive credit for both ECE 575 and ECE 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 601 Home/School/Community Relationships with Young Children and Their Families**

This course offers a transdisciplinary approach designed to enhance the student's understanding of the transactional relationship between the school, child and family. Particular emphasis is placed on family development and dynamics within a pluralistic society including the role that family functioning has on the child's total educational experience. May be taught concurrently with ECE 501. Cannot receive credit for both ECE 501 and ECE 601.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECE 675 Working with Culturally and Linguistically Diverse Children and Families in Early Childhood**

*Prerequisite: Prerequisite EDC 345.*

Begins exploring the disposition toward inquiry needed for ongoing self-development, and focuses on the knowledge and skills needed to infuse culturally and linguistically responsive curriculum. Students will gain an understanding of their professional role in strengthening respectful, collaborative family/child partnerships through effective use of community and family resources. An emphasis will be on learning from families and focusing on how best to support culturally and linguistically diverse young children and their families. May be offered concurrently with ECE 575. Cannot receive credit for both ECE 675 and ECE 575.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 705 Field Experiences in Early Childhood Education**

Students participate in field experiences in area schools and other educational settings. This course will provide field experiences with three different age groups (birth-3; 3-5; 5-8). Course is designated for graduate students needing field experiences to meet certification requirements in Early Childhood Education. Students will attend weekly scheduled class discussion sessions on campus in addition to the required field work of 15 clock hours for every credit hour. May be repeated for a maximum of three hours of credit.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECE 724 Foundations of Early Childhood Education**

Course will focus on the historical, psychological, philosophical, and social foundations of early childhood education. Theories and research are integrated with practical knowledge. Students will examine philosophy, curriculum, methodology, service delivery systems, and family involvement issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECE 725 Inquiry in Early Childhood and Family Development**

Inquiry in early childhood and family development. Introduction to the techniques used by education and social scientists to answer empirical questions. Includes in-depth analysis of current program-relevant theoretical and empirical studies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECE 726 Programming and Policy Issues for Early Childhood Settings**

Analysis of programs, policies and theories appropriate for young children and their families in a variety of early childhood settings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ECE 727 Children and Families in a Diverse Society**

Examination of diverse cultures in American society. An analysis of racism, sexism, and other diversity issues within the school and community. Discussion of child development within different cultures and identifying changing family and community structures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECE 728 The Educational Role of Play**

A study of the social, emotional, cognitive, and language development of young children through play. Attention is given to the use of play in the organization and development of the early childhood classroom and curriculum. Current models of early childhood curriculum and their relationship to support of play will be explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECE 729 Literacy in Early Childhood**

Develops awareness of and support for children's literacy knowledge as it grown and changes in the years from birth through early elementary school. This course emphasizes the supportive nature of the adult's role in young children's literacy learning. Descriptions of relevant, meaningful literacy events and suggestions for classroom or home support will be presented. Current research that has a bearing on methodology will be explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECE 730 Family Literacy**

Introduction to the philosophy and theory behind family literacy, as well as discussion on the development and implementation of a family literacy program. The four-component model of adult education, early childhood education, parent and child together (PACT), and parenting will be covered, both in theory and practical application. Explores the rationale for and characteristics of comprehensive family literacy, focusing upon the families being served, services being provided, outcomes being achieved, and the role and responsibilities of individuals, organizations, and communities involved.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECE 731 Advanced Curriculum Development for Early Childhood Programs**

Analysis of programs, methods, materials, and activities appropriate for early childhood education programs. Emphasis will be on developing and/or selecting strategies for a variety of programs such as day care centers, public school kindergartens and primary grades, Head Start programs, private preschools, etc.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 762 Seminar in Early Childhood and Family Development**

*Prerequisite: ECE 771.*

Guided development of research paper focused on field of Early Childhood and Family Development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECE 771 Proposal Development**

*Prerequisite: ECE 725 and SFR780.*

Development of proposal for seminar paper. Proposal must be approved prior to data collection. Human subjects review will also be completed.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

## Early Childhood and Elementary Education (EEM) courses

**EEM 305 Field Experiences in Education**

*Prerequisite: admitted to Teacher Education Program.*

Student attends scheduled discussion sessions on campus and participates in field experiences at Greenwood Laboratory School and/or area schools. Designed for transfer students who have partially completed the field experiences requirement and students working on a certification which requires a second field experience. 1(0-2) or

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**EEM 399 Problems in Education**

*Prerequisite: admitted to Teacher Education Program and permission of department head.*

Independent research conducted on topics relevant to the field of education. The student and instructor mutually agree upon the direction and extent of the project. Credited only on the BSEd degrees. May be repeated to a maximum of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**EEM 501 Introduction to Technology-Based Inquiry Instruction**

*Prerequisite: admitted to Teacher Education Program.*

Introduction to eMINTS philosophy and instructional model for teachers, emphasis on constructivist-based pedagogies, questioning strategies and critical thinking; use of educational software, Internet resources and classroom website design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 601. Cannot receive credit for both EEM 501 and EEM 601.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EEM 502 Applications of Technology-Based Inquiry Instruction**

*Prerequisite: admitted to Teacher Education Program; and EEM 501 with grade of C or better.*

Application of eMINTS philosophy, instructional model and teaching strategies; emphasis on cooperative learning, instructional use of interactive whiteboards, information literacy and modes of classroom communication, digital file management, Webquest development and multimedia project design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 602. Cannot receive credit for both EEM 502 and EEM 602.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EEM 503 Implementing Technology-Based Inquiry Instruction**

*Prerequisite: admitted to Teacher Education Program; and EEM 501 and EEM 502 with grades of C or better.*

Third course in eMINTS 3-course sequence. Emphasis on building a learning community, classroom management, instructional planning and implementation in a technology enriched classroom, interdisciplinary teaching methods, technology-assisted assessment, collaborative reflection to improve student performance. Eight clock hours field experience embedded. May be taught concurrently with EEM 603. Cannot receive credit for both EEM 503 and EEM 603.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EEM 516 Nature Unfolds**

*Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.*

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in primary grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 616. Cannot receive credit for both EEM 516 and EEM 616.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 517 Nature Unleased**

*Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.*

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in intermediate grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 617. Cannot receive credit for both EEM 517 and EEM 617.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 518 Project Wet, WILD, and Learning Tree**

*Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.*

Students will develop skills and knowledge of conservation education using the Project Wet, WILD, and Learning Tree curriculums, which requires handling specific materials, using technology in science learning, and learning from investigations. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 618. Cannot receive credit for both EEM 518 and EEM 618.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 519 Nature Unhooked: Conserving Missouri's Aquatic Ecosystems**

*Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.*

Students will develop foundational field biology skills related to Missouri's aquatic ecosystems in order to teach in a structured educational mode, via an outdoor setting. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 619. Cannot receive credit for both EEM 519 and EEM 619.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 576 Topical Issues in Education**

*Prerequisite: permission may be required, see schedule.*

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable content course. May be taught concurrently with EEM 676. Cannot receive credit for both EEM 676 and EEM 576. 1-5 D. Approved recurring course topic: B.E.A.R.S. Seminars. A series of seven (7) seminars with different topics designed to enhance and develop further understanding and skills in the improvement of teaching procedures for beginning educators. Seminars are offered monthly, with the exception of December, beginning in September and ending in April. Participation in at least six (6) of these seminars is required for credit. Participants will receive an "I" grade for the course due to the course extending through the spring semester. Grades will be changed at the end of the spring semester as requirements are met. This course is available to both beginning and veteran educators and satisfies the initial certification requirement of attending a beginning teacher assistance program with a college or university.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EEM 596 Orientation for Intensive Language and Cultural Experience for Educators**

*Prerequisite: previous foreign language experience, participation in Hispanic Educational Access Initiative, and permission of instructor; students selected by application and interview process.*

Prepare for international travel and exposure to the people, cultures and primary language of the host country. Students develop an introspective case study proposal to be carried out during and/or after the experience abroad. Field trips outside class are required. May be taught concurrently with EEM 606. Cannot receive credit for both EEM 606 and EEM 596.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EEM 597 Intensive Language and Cultural Experience for Educators**

*Prerequisite: EEM 596 and permission of instructor.*

Experience three weeks of exposure to the educational system, culture and language of the host country while reflecting on their own learning. Students will conducted an introspective case study, keep a journal, and create a portfolio. May be taught concurrently with EEM 607. Cannot receive credit for both EEM 607 and EEM 597.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**EEM 598 Post-Travel Seminar for Intensive Language and Cultural Experience for Educators**

*Prerequisite: EEM 596 and EEM 597 and permission of instructor.*

Post-travel seminar deconstructs experience abroad. Students discuss strategies used as a learner and analyze effective teaching techniques. Participants compare cultural and language differences that teachers need to consider in teaching students in a new language. Introspective case study research and portfolios will be shared. May be taught concurrently with EEM 608. Cannot receive credit for both EEM 608 and EEM 598.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EEM 601 Introduction to Technology-Based Inquiry Instruction**

Introduction to eMINTS philosophy and instructional model for teachers, emphasis on constructivist-based pedagogies, questioning strategies and critical thinking; use of educational software, Internet resources and classroom website design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 501. Cannot receive credit for both EEM 601 and EEM 501.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EEM 602 Applications of Technology-Based Inquiry Instruction**

*Prerequisite: EEM 601 with grade of C or better.*

Application of eMINTS philosophy, instructional model and teaching strategies; emphasis on cooperative learning, instructional use of interactive whiteboards, information literacy and modes of classroom communication, digital file management, Webquest development and multimedia project design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 502. Cannot receive credit for both EEM 602 and EEM 502.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EEM 603 Implementing Technology-Based Inquiry Instruction**

*Prerequisite: EEM 601 and EEM 602 with grades of C or better.*

Third course in eMINTS 3-course sequence. Emphasis on building a learning community, classroom management, instructional planning and implementation in a technology enriched classroom, interdisciplinary teaching methods, technology-assisted assessment, collaborative reflection to improve student performance. Eight clock hours field experience embedded. May be taught concurrently with EEM 503. Cannot receive credit for both EEM 603 and EEM 503.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EEM 606 Orientation for Intensive Language and Cultural Experience for Educators**

*Prerequisite: permission.*

Students selected by application and interview process. Prepare for international travel and exposure to the people, cultures and primary language of the host country. Students develop an introspective case study proposal to be carried out during and/or after the experience abroad. Field trips outside class are required. May be taught concurrently with EEM 596. Cannot receive credit for both EEM 596 and EEM 606.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EEM 607 Intensive Language and Cultural Experience for Educators**

*Prerequisite: EEM 606 and permission.*

Experience three weeks of exposure to the educational system, culture and language of the host country while reflecting on their own learning. Students will conducted an introspective case study, keep a journal, and create a portfolio. May be taught concurrently with EEM 597. Cannot receive credit for both EEM 597 and EEM 607.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**EEM 608 Post-Travel Seminar for Intensive Language and Cultural Experience for Educators**

*Prerequisite: EEM 606 and EEM 607 and permission.*

Post-travel seminar deconstructs experience abroad. Students discuss strategies used as a learner and analyze effective teaching techniques. Participants compare cultural and language differences that teachers need to consider in teaching students in a new language. Introspective case study research and portfolios will be shared. May be taught concurrently with EEM 598. Cannot receive credit for both EEM 598 and EEM 608.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EEM 616 Nature Unfolds**

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in primary grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 516. Cannot receive credit for both EEM 616 and EEM 516.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 617 Nature Unleashed**

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in intermediate grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 517. Cannot receive credit for both EEM 617 and EEM 517.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 618 Project Wet, WILD, and Learning Tree**

Students will develop skills and knowledge of conservation education using the Projects Wet, WILD, and Learning Tree curriculums, which requires handling specific materials, using technology in science learning, and learning from investigations. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 518. Cannot receive credit for both EEM 618 and EEM 518.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 619 Nature Unhooked: Conserving Missouri's Aquatic Ecosystems**

Students will develop foundational field biology skills related to Missouri's aquatic ecosystems in order to teach in a structured educational mode, via an outdoor setting. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 519. Cannot receive credit for both EEM 619 and EEM 519.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 676 Topical Issues in Education**

*Prerequisite: permission.*

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. Approved recurring course topic: B.E.A.R.S. Seminars. 1(1-0) F. A series of seven (7) seminars with different topics designed to enhance and develop further understanding and skills in the improvement of teaching procedures for beginning educators. Seminars are offered monthly, with the exception of December, beginning in September and ending in April. Participation in at least six (6) of these seminars is required for credit. Participants will receive an "I" grade for the course due to the course extending through the spring semester. Grades will be changed at the end of the spring semester as requirements are met. This course is available to both beginning and veteran educators and satisfies the initial certification requirement of attending a beginning teacher assistance program with a college or university. Variable Content Course. May be taught concurrently with EEM 576. Cannot receive credit for both EEM 576 and EEM 676.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EEM 720 Introduction to Learner Development and Differences in Gifted and Talented Education**

An introduction to gifted education and the models of giftedness, strategies of identification, and facilitation of assessment for placement of children in gifted programs. Examination of resources available to classroom teachers and exploration of the challenges and rewards involved in working with gifted students. Historical and legal aspects of the evolution of gifted education will be explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EEM 721 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education I**

*Prerequisite: EEM 720.*

This course explores curriculum planning, instructional delivery and assessments for gifted and talented students. Understanding and selecting content that promotes higher order cognition and the processes involved in creating contexts for discovery-based learning is examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EEM 722 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education II**

*Prerequisite: EEM 720 and EEM 721.*

This course expands the exploration of curriculum planning, instructional delivery, and assessments for gifted and talented students with special emphasis on social-emotional aspects of gifted students; and incorporates theory to practice experience through a 30 clock hour practicum in an area gifted and talented classroom.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**EEM 723 Learning Environments and Collaborations in Gifted and Talented Education**

*Prerequisite: EEM 720 and EEM 721 and EEM 722.*

This course explores the creation of learning environments conducive to higher-order thought processes, exploration and discovery. Professional collaborative processes; techniques and means of communicating/collaborating with families, content experts/professionals, and other educators in the field of Gifted and Talented education will be examined and practiced.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EEM 796 Problems in Education**

Specific problems in education related to needs and interests of the student. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EEM 799 Thesis**

*Prerequisite: ELE 711 and SFR 780 and permission.*

May be repeated to a maximum of 6 hours credit.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Elementary Education (ELE) courses

**ELE 300 Service Learning in Elementary Education**

*Prerequisite: EDC 150 and completion of 30 hours; and concurrent registration in an ELE course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Elementary Education to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of an participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ELE 302 Introduction to Elementary Education and Clinical/Field Experience**

*Prerequisite: 30 hours, and attempted Missouri State Board of Education entry examination.*

An overview of elementary school organization, management techniques, and personalized teaching styles for use with children including those from various cultural backgrounds and exceptional children who are mainstreamed in regular classrooms. Students will participate in a 30 clock hour field experience at Greenwood Laboratory School and/or area elementary schools. A grade of "B" or better is required in this course to enroll in supervised teaching.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**ELE 400 Elementary Integrated Methods and Practicum**

*Prerequisite: concurrent enrollment in KIN 400 required when enrolling in ELE 400 for 2 hours; and SPE 310; and concurrent enrollment in ELE 429 and/or ELE 434 and/or ELE 438; and admitted to Teacher Education Program.*

Comprehensive practicum application of techniques and materials for promoting learning in the arts and physical education with language arts, mathematics, science, social studies, in area school classrooms where students will plan, teach, and assess integrated learning opportunities in the elementary core and integrated arts curriculum.

**Credit hours:** 2-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ELE 410 Teaching and Learning in the Elementary Classroom**

*Prerequisite: admitted to Teacher Education Program.*

This course introduces approaches to instruction and assessment and supporting learning and motivation theories; physical, social, emotional, and cognitive characteristics of children; methods of designing instruction to meet diverse learner needs; and educator's professional code of ethical conduct. Required first portfolio checkpoint will occur in this course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 425 Methods of Teaching Communication Arts in Elementary Schools**

*Prerequisite: grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and grade of "C" or better in ENG 110 and ENG 210; and admitted to Teacher Education Program.*

Emphasis on instruction and assessment in the teaching of basic English Language Arts skills (writing, speaking and listening) and individualized instruction in English Language Arts for elementary and middle school programs.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 429 Methods of Teaching of Mathematics in Elementary Schools**

*Prerequisite: a grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and a grade of "C" or better in MTH 320 and MTH 360; and admitted to Teacher Education Program.*

Emphasis upon diagnosis of skill level development, teaching basic mathematical skills, and individualizing instruction in mathematics for elementary and middle school programs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 434 Methods of Teaching Science in Elementary Schools**

*Prerequisite: a grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and a grade of "C" or better in 8 hours of science (one biology and one physical science); and admitted to Teacher Education Program.*

Recommended Prerequisite: concurrent enrollment in GRY 240. Current issues and approaches in teaching elementary school science to children, including exceptional children who are mainstreamed in regular classrooms.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 438 Methods of Teaching Social Studies in Elementary Schools**

*Prerequisite: a grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and a grade of "C" or better in HST 121 or HST 122 and PLS 101 and GRY 100; and admitted to Teacher Education Program.*

Emphasis upon teaching social studies, skills generalizations, attitudes, and values and the development and use of appropriate learning materials and evaluation instruments for elementary and middle school programs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 440 Classroom Management and Assessment in the Elementary Classroom**

*Prerequisite: concurrent enrollment in ELE 429 and/or ELE 434 and/or ELE 438; and admitted to Teacher Education Program.*

Planning, constructing, using, and analyzing a variety of assessment practices to support reflective decision making in the elementary classroom. Theoretical foundations of current approaches and application of best practices in classroom management including management of time, space, transactions and activities effectively with an emphasis on approaches to prevent and/or manage disruptive behavior. A 30 hour field experience in area school classrooms is required as a part of this course.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ELE 458 Theory Into Practice**

*Prerequisite: concurrent enrollment in ELE 495.*

Experiences to integrate knowledge of methodology in practical teaching situations. Individual experiences designed to supplement previous coursework will be provided. Professional development plans, placement activities and sources of professional assistance will be examined.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 495 Supervised Teaching (Elementary)**

*Prerequisite: a grade of "B" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in ELE 496.*

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Students participate in extra-curricular activities and attend both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ELE 496 Supervised Teaching (Elementary)**

*Prerequisite: concurrent enrollment in ELE 495.*

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in school-related activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ELE 499 Clinical Experiences in Teaching II**

*Prerequisite: a grade of "B" or better in EDC 199; and admitted to Teacher Education Program; and a grade of "B" or better in all professional education courses; and a grade of "B" or better in ELE 429 or ELE 603 and ELE 434 or ELE 604 and ELE 438 or ELE 602 and ELE 500 or ELE 600 and ELE 510 or ELE 605 and RDG 420 or RDG 656 and RDG 421 or RDG 656; and a grade of "C" or better in MTH 320 and MTH 360 and HST 121 or HST 122 and PLS 101 and GRY 100 and GRY 240 and 8 hours of science (one biology and one physical science); and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ELE 500 Current Issues and Applications in Elementary Education**

*Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and grade of "C" or better in GRY 240; and concurrent enrollment in ELE 510.*

Application of current innovations and examination of contemporary issues facing elementary teachers including classroom management, inclusion, English language learners, integrated planning and instruction with art, music, health and physical education. A comprehensive field experience in area school classrooms is required. May be taught concurrently with ELE 600. Cannot receive credit for both ELE 600 and ELE 500. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 3-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ELE 501 Home/School/Community Relationships with Elementary Children and their Families**

*Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and concurrent enrollment in ELE 500.*

This course is designed to enhance the teacher candidate's collaboration skills and understanding of the relationships between school, colleagues, community, child and family. Emphasis is placed on diverse family dynamics within a pluralistic society including the role family functioning has on the child's total educational experience and children as individual learners.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 502 Integrated Arts in Elementary Education Curriculum**

*Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and concurrent enrollment in ELE 500.*

Methods and strategies for using the arts as tools for learning in the contemporary regular elementary school classroom which includes children of diverse cultures and abilities. Provides culturally responsive instructional models and materials that meaningfully integrate visual and theatre arts and music as primary modes of communication and insight to enhance teaching and learning.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 510 The Reflective Practitioner**

*Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and concurrent enrollment in ELE 500.*

Introduces students to action research as reflection on their own teaching and learning, and their students' learning and achievement. Requires an intensive field experience in area elementary school. May be taught concurrently with ELE 605. Cannot receive credit for both ELE 605 and ELE 510. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 530 Teaching English Language Learners in the Elementary Classroom**

*Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421.*

Focuses on state and federal mandates for educating English language learners in U.S. public schools. Introduces the fundamentals of second language acquisition and instructed academic language learning. Emphasis on current, standards-based approaches to teaching English language learners in the regular elementary classroom through differentiation and sheltered instruction of grade-level content.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 600 Current Issues and Applications in Elementary Education**

*Prerequisite: grade of "B" or better in ELE 429 or ELE 603, and ELE 434 or ELE 604, and ELE 438 or ELE 602, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in GRY 240; and concurrent enrollment in ELE 605.*

Application of current innovations and examination of contemporary issues facing elementary teachers including classroom management, inclusion, English language learners, integrated planning and instruction with art, music, health and physical education. A comprehensive field experience in area school classrooms is required. May be taught concurrently with ELE 500. Cannot receive credit for both ELE 500 and ELE 600. Supplemental course fee.

**Credit hours:** 3-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ELE 601 Communication Arts Instruction in the Elementary School**

*Prerequisite: ELE 302 and permission of Director of Graduate Program in consultation with the Teacher Certification and Compliance Office.*

Study of the development of language and communication abilities, procedures and instruments for assessing language development, and techniques and materials for promoting development in communication skills for elementary and middle school programs. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning. Course limited to certification students only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 602 Social Studies Instruction in the Elementary School**

*Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in HST 121 or 122, and PLS 101 and GRY 100; and admission to graduate Elementary Education program.*

Current issues and approaches in teaching elementary school social studies to children including exceptional children who are mainstreamed in the regular classroom. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 603 Mathematics Instruction in Elementary Schools**

*Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in MTH 320 and MTH 360; and admission to graduate Elementary Education program.*

Emphasis upon diagnosis of skill level development, teaching basic mathematical skills, and individualizing instruction in mathematics for elementary and middle school programs. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 604 Science Instruction in the Elementary School**

*Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in 8 hours of science (one biology and one physical science); and admission to graduate Elementary Education program.*

Current issues and approaches in teaching elementary school science to children including exceptional children who are mainstreamed in the regular classroom. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 605 The Reflective Practitioner**

*Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and concurrent enrollment in ELE 600.*

Introduces students to action research as reflection on their own teaching and learning, and their students' learning and achievement. Requires an intensive field experience in area elementary school. May be taught concurrently with ELE 510. Cannot receive credit for both ELE 510 and ELE 605.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ELE 710 Elementary School Curriculum**

The purpose of this course is to analyze the philosophical and theoretical frameworks that guide elementary curriculum for the assumptions that each makes with regard to teaching and learning. Students will be introduced to the development of curriculum and curriculum materials for use in elementary educational settings. Students will examine the social, political and institutional contexts in which curriculum is developed and used, curriculum development methods and process, and various methods for the implementation, evaluation and distribution of curriculum materials.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ELE 711 Contemporary Issues in Elementary Curriculum**

Contemporary issues confronting the modern elementary school; current problems, innovations and proposed changes which affect the total elementary school program. Trends and issues that are developing at the national level.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**ELE 713 Advanced Theory and Practice in the Teaching of Communication Arts**

Materials, methods and procedures for effective classroom presentation of communication arts. Selection, organization and development of content materials; current issues and trends in the field.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ELE 714 Advanced Theory and Practice in the Teaching of Social Studies**

Materials, methods and procedures for effective classroom presentation of social studies. Selection, organization and development of content materials; current issues and trends in the field.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ELE 715 Advanced Theory and Practice in the Teaching of Mathematics**

Materials, methods and procedures for effective classroom presentation of elementary mathematics. Selection, organization and development of content materials; current trends and issues in the field.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ELE 716 Advanced Theory and Practice in the Teaching of Science**

Materials, methods and procedures for effective classroom presentation of elementary science. Emphasis is placed on teaching science as inquiry and experimentation. Selection, organization and development of content materials; current trends and issues in science education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ELE 717 Advanced Theory and Practice in the Teaching of Economic Education**

Materials, methods, and procedures for effective classroom presentation of economic education. Selection, organization, and development of curriculum materials, current issues and trends in the field of economics. Presents students with a framework for proper scope and sequencing of economics concepts to develop an awareness of appropriate benchmarks for economic education instruction.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ELE 720 Advanced Theory and Practice in Student Assessment and Evaluation**

Materials, methods, and procedures for effective assessment and evaluation of students. Planning, selection, construction, use, and analysis of a variety of assessment practices including formal and informal approaches. Application of knowledge learned throughout course will help students make judicious and reflective decisions while teaching.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ELE 721 Standards-Based Integrated Curriculum, Learning, and Teaching**

Analysis and application of current theories and research on integrated curriculum and learning, performance assessment, and standards-based education. Develop classroom, school-wide and/or district-wide curricula based on state standards. Focus is on deciding what is essential to teach and on improving learners' math and literacy skills across the curriculum.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ELE 722 Differentiated Instruction for Early Childhood, Elementary, and Middle School**

Materials, methods, and procedures for effective differentiation of instruction and evaluation of students. Planning, selection, construction, use and analysis of a variety of differentiate instructional practices across grade levels and disciplines, paying close attention to elementary and middle school learners. Application of knowledge learned throughout course will help students made judicious and reflective decisions while teaching.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ELE 725 The Emerging Master Teacher**

*Prerequisite: minimum GPA of 3.00 in the last 60 hours.*

This course is designed to engage students in collective and individual inquiry regarding the "problem space" of teaching and learning. It explores current and historical trends/theories that have shaped teaching practices, curriculum design, and assessments of learning.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ELE 730 Internship in Number and Operations**

*Prerequisite: admission to the Elementary Mathematics Specialist program; and two years of elementary or middle school teaching; and concurrent enrollment in MTH 750.*

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachers and parents) on concepts related to numbers and operations in base ten appropriate in K-5 students.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ELE 732 Internship in Rational Numbers and Proportional Thinking**

*Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrently enrollment in MTH 752.*

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachings and parents) on rational number and proportional thinking concepts.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ELE 734 Internship in Algebraic Reasoning**

*Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrently enrollment in MTH 754.*

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teacher and parents) on concepts related to algebraic reasoning appropriate in K-5 students.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ELE 736 Foundations of Mathematical Leadership I for Elementary Mathematics Specialists**

*Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching.*

This introductory course provides opportunities for participants to develop knowledge and understanding of leadership principles and the process of continuous improvement as it relates to the roles and responsibilities of elementary mathematics specialists.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ELE 737 Foundations of Mathematical Leadership II for Elementary Mathematics Specialists**

*Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching.*

This second leadership course in the Elementary Mathematics Specialists program focuses on research and practice related to teamwork, interaction, communication, conflict resolution, and leadership in K-5 schools. Candidates will also examine effective strategies for influencing and facilitating school/district improvement (e.g., mentoring and observing colleagues, conducting professional development, and making data-informed decisions to improve student learning) collaborating with colleagues and administration. Candidates will focus on mentoring and observing colleagues, conducting professional development, and making data-informed decisions to improve student learning school- and district-wide.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ELE 738 Internship in Geometry and Measurement**

*Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrent enrollment in MTH 760.*

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachers and parents) on geometry and measurement concepts.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ELE 772 Research Seminar in Elementary Education**

*Prerequisite: ELE 711 and SFR 780.*

Guided development of a research paper or a creative project.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**ELE 775 Research Study in Elementary Education**

*Prerequisite: SFR 780; and ELE 711 in which a project has been identified for completion in ELE 772.*

Guided development of a research paper or creative project. Individual work with faculty member on developing the proposal for a research study or continued work on a study beyond the duration of ELE 772. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ELE 803 Curriculum and Assessment in Mathematics Education**

*Prerequisite: Master's degree in Education, Mathematics Education or related field; ELE 737; and may be taken concurrently with ELE 804.*

This course is designed to deepen students understanding of current mathematics curriculum, curriculum alignment with current standards and textbooks, and assessment tools for meeting the diverse needs of students. Students will also learn to develop and provide professional development in various areas of mathematics teaching and how to communicate assessment results to teachers, parents and other constituents.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**ELE 804 Mathematical Leadership III for Mathematics Specialists**

*Prerequisite: Master's degree in Education, Mathematics Education or related field; ELE 737; and ELE 803 or concurrent enrollment.*

This course focuses on research and practice related to teamwork, coaching, communication, conflict resolution, and more intensive leadership training. It examines effective strategies for influencing and facilitating school/district improvement and includes an embedded practicum.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall (odd-numbered years), Spring (even-numbered years)
Projected offerings

**ELE 805 Seminar in Mathematics Education**

*Prerequisite: ELE 803 and ELE 804.*

This course is designed to guide students in conducting a research paper or creative project focused on mathematics education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years), Spring (even-numbered years)
Projected offerings

## Family and Consumer Sciences (FCS) courses

**FCS 110 Housing, Environments, and Design**

Examines physical, psychological and sociological influences that impact families in various living environments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FCS 120 Family Health and Nutrition**

Current trends in family health care and home nursing care; practice in the laboratory. Basic concepts of human nutrition which includes carbohydrates, lipids, proteins, vitamins, minerals, absorption, digestion, and energy utilization as they relate to health and food consumption at different states in the life cycle.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FCS 197 Introductory Topics in Family and Consumer Sciences**

Variable content course for introductory concepts in Family and Consumer Sciences. May be repeated to a total of 6 hours when topics change.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 299 Work Experience**

*Prerequisite: permission of subject matter faculty member or coordinator.*

Students will secure positions in their area of specialization in order to gain work experience. This practicum is usually scheduled between their freshman and sophomore years. Working in a coordinated program the student will be evaluated by both the company supervisor and the practicum coordinator. Besides work experience, the student can be expected to gain in career direction as well as in the application of the principles and practices of their respective specialization. 200 minimum work hours.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**FCS 300 Special Topics in Family and Consumer Sciences**

Selected topics of contemporary interest in Family and Consumer Sciences, offered when resources and demand allow. May be repeated to a total of 6 hours when topics change. Variable Content Course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 301 Textiles, Apparel, and Fashion**

Textiles and apparel course for teachers of Family the Consumer Sciences. Study of textiles used in apparel, selection and care of apparel, apparel construction techniques, and cultural, aesthetic, historical, legal and environmental aspects of textiles, apparel and fashion.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**FCS 302 Family and Consumer Sciences Study Tour**

Study of mills, factories, stores, hospitals, laboratories, hospitality facilities, museums, design studios, historic sites, and/or trade markets, and not-for-profit agencies.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 303 Service Learning in Family and Consumer Sciences**

*Prerequisite: 30 hours and concurrent registration in a designated service learning offering within one of the major areas of study in Family and Consumer Sciences.*

A service learning course incorporates a community service experience with classroom instruction to provide an integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs/service. Requires 40 hours of service to a community organization, agency, or public service provider. The community service placement and assignment will vary, depending on the specialization area and learning objectives. A list of approved placements will be available from the instructor and the Citizenship and Service Learning Office. Students are required to participate in a service learning training session(s) prior to beginning their service placement. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**FCS 335 Presentation Techniques**

*Prerequisite: COM 115 and 60 hours.*

Planning and presenting techniques for teaching in the classroom, business, industry, or extension settings. A focus on professional presentation strategies incorporating the use of multimedia technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**FCS 373 Family Economics**

Recommended Prerequisite: ECO 155. Family as a consumer unit, its financial well-being and interrelationship with the market and the economy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**FCS 400 Problems in Family and Consumer Sciences**

Independent study for those who wish additional work in specific subject areas.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 472 Resource Management Theory and Practicum**

*Prerequisite: CFD 163 and FCS 373.*

Study of family and individual resource management concepts and application of resource management principles and techniques with emphasis on group dynamics and problem solving. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**FCS 477 Seminar in Home Management and Family Economics**

*Prerequisite: senior standing and major in Family and Consumer Science BSEd program.*

Readings, discussion and analysis of trends and developments in home management and family economics.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**FCS 493 Supervised Teaching (Family and Consumer Sciences)**

*Prerequisite: completion of all methods courses in Family and Consumer Sciences; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in FCS 494.*

Student observes then teaches family and consumer sciences classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**FCS 494 Supervised Teaching (Family and Consumer Sciences)**

*Prerequisite: concurrent enrollment in FCS 493.*

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**FCS 498 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**FCS 499 Internship in Family and Consumer Sciences**

*Prerequisite: permission of subject matter faculty member.*

Off-campus, supervised experience in a cooperative program with business, government, community, or related establishments within any of the specialized areas of family and consumer sciences. In addition to the outline agency involvement, the student is (1) required to attend a beginning orientation and a follow-up seminar, and (2) complete assignments appropriate to subject matter specialization. May be repeated up to 12 hours credit.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 500 Issues in Family and Consumer Sciences**

*Prerequisite: senior standing.*

Advanced inquiry into specialized areas of study in Family and Consumer Sciences such as: Blended Families, Historic Building Preservation, Textile Conservation, Preservation Techniques, Advanced Culinary Techniques, and International Trends in Hospitality. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with FCS 600. Cannot receive credit for both FCS 600 and FCS 500.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 502 Study Tour**

*Prerequisite: junior or senior standing.*

Study of and/or visits to mills, factories, stores, museums, hospitals, laboratories, design studios and/or trade markets. Supplemental course fee (variable by section). May be taught concurrently with FCS 602. Cannot receive credit for both FCS 602 and FCS 502.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 507 Student Organizations in Family and Consumer Sciences**

*Prerequisite: FCS 335; and concurrent enrollment in FCS 512.*

Methods of organizing student groups in Family and Consumer Sciences programs, techniques of working with students in individual and group projects; leadership training. May be taught concurrently with FCS 607. Cannot receive credit for both FCS 607 and FCS 507.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FCS 512 Teaching Family and Consumer Sciences**

*Prerequisite: FCS 335; and EDC 350; and concurrent enrollment in FCS 507; and admitted to Teacher Education Program.*

An overview of the philosophy and history of family and consumer sciences education; includes curriculum building with emphasis on critical thinking and reflective decision-making, problem-based learning, and the development of authentic assessments. Includes the planning of lessons, units, and development of teaching materials in the family and consumer sciences discipline and practice implementation of such lessons. Completion of checkpoint II for the Professional Portfolio is a component of this course. Credited only on BSEd Family and Consumer Sciences major. Cannot be taken Pass/Not Pass. May be taught concurrently with FCS 612. Cannot receive credit for both FCS 612 and FCS 512.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**FCS 515 Organization of Family and Consumer Sciences Programs**

*Prerequisite: FCS 507 and FCS 512; and admitted to Teacher Education Program.*

Investigation of the organization and administration of family and consumer sciences programs; identification of types of programs; program planning, program evaluation and career counseling with emphasis on critical thinking and reflective decision-making. Credited only on BSEd Family and Consumer Sciences major. Cannot not be taken Pass/Not Pass. May be taught concurrently with FCS 615. Cannot receive credit for both FCS 615 and FCS 515.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**FCS 600 Issues in Family and Consumer Sciences**

Advanced inquiry into specialized areas of study in Family and Consumer Sciences such as: Blended Families, Historic Building Preservation, Textile Conservation, Preservation Techniques, Advanced Culinary Techniques, and International Trends in Hospitality. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with FCS 500. Cannot receive credit for both FCS 500 and FCS 600.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 602 Study Tour**

Study of and/or visits to mills, factories, stores, museums, hospitals, laboratories, design studios and/or trade markets. Supplemental course fee (variable by section). May be taught concurrently with FCS 502. Cannot receive credit for both FCS 502 and FCS 602.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 607 Student Organizations in Family and Consumer Sciences**

*Prerequisite: concurrent enrollment in FCS 612.*

Methods of organizing student groups in Family and Consumer Sciences programs, techniques of working with students in individual and group projects; leadership training. May be taught concurrently with FCS 507. Cannot receive credit for both FCS 507 and FCS 607.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**FCS 612 Teaching Family and Consumer Sciences**

*Prerequisite: concurrent enrollment in FCS 607.*

An overview of the philosophy and history of family and consumer sciences education; includes curriculum building with emphasis on critical thinking and reflective decision-making, problem-based learning, and the development of authentic assessments. Includes the planning of lessons, units, and development of teaching materials in the family and consumer sciences discipline and practice implementation of such lessons. Completion of checkpoint II for the Professional Portfolio is a component of this course. A grade of "C" or better is required in this course. May be taught concurrently with FCS 512. May be receive credit for both FCS 512 and FCS 612.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**FCS 615 Organization of Family and Consumer Sciences Programs**

*Prerequisite: FCS 607 and FCS 612.*

Investigation of the organization and administration of family and consumer sciences programs; identification of types of programs; program planning, program evaluation and career counseling with emphasis on critical thinking and reflective decision-making. May be taught concurrently with FCS 515. Cannot receive credit for both FCS 515 and FCS 615.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**FCS 701 Supervision of Student Teachers in Family and Consumer Sciences**

*Prerequisite: teaching experience in Family and Consumer Sciences; and permission.*

Experiences in creating an environment that will encourage Family and Consumer Sciences student teachers to realize their potentials and gain competence in teaching.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**FCS 795 Advanced Technical Practice**

*Prerequisite: permission.*

Work in CAD, EDI, Child Life, mental health, hospitality, clinical hospitals, schools, manufacturing, retailing, and/or other settings. Ninety clock hours required.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**FCS 796 Practicum**

*Prerequisite: permission.*

The assumption of responsibilities at an approved practicum site under the direction of a professor and practicum site supervisor.

**Credit hours:** 4
**Lecture contact hours:** 0
**Lab contact hours:** 8

**Typically offered:** Upon demand
Projected offerings

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# Child and Family Development

## Major(s)

### Child and Family Development (Comprehensive)

Bachelor of Science

**Admission Requirements for the Child Life Option**

The Child and Family Development Child Life Option has a selective admission policy. Child Life Option students must complete and meet the following application requirements. Students will write a one page essay describing their interest in a career to become a Child Life Specialist and the role of a Child Life Specialist. Students must have a 3.00 cumulative GPA, 100 hours of verified volunteer experience in a hospital setting, two letters of recommendation, one of which must be from the hospital volunteer site. Applications for the Child Life Option must be submitted to the Childhood Education and Family Studies Department office during the semester prior to junior year by February 28. As this is a competitive program, admission is not guaranteed.

Transfer students must also apply for admission for the Child Life Option. Transfer students must meet with a Child Life advisor to determine when they are eligible to complete the application and essay. All students must adhere to the deadlines stated above.

The application and resume will be reviewed by a committee appointed by the Department Head. Criteria for selection will be based on GPA, written essay, two letters of recommendation and verified volunteer hours. Students will be notified of the decision in writing by March 31. Students who are not accepted into the program may reapply in the following semester.

**Program Requirements**

A. General Education Program and Requirements

1. Child Life option requires BMS 110(3) and 111(1). All other options require BIO 100(4), or BIO 101(3) and 111(1).

2. All options require PSY 121(3).

B. Major Requirements

1. Core Courses (32 hours): CFD 110(3), 150(1), 155(3), 160(3), 163(3), 305(3), 366(1),

466(6), 557(3), 562(3), 563(3)

2. Complete one of the following options:

   a. **Child Development** (25 hours): CFD 250(3), 255(3), 260(4), 301(3), 360(5), 455(4), 560(3)

   b. **Child Life** (45 hours): CFD 260(4), 301(3), 306(3), 353(3), 354(4), 454(3), 455(4), 499(3), 510(3), 560(3), 580(3); LLT 102(2); BMS 307(4); COM 206(3)

   c. **Family Studies** (26 hours): CFD 250(3), 361(3); 306(3) or 365(3); 532(3), 533(4), 534(1), 560(3); COM 506(3); FCS 373(3)

   d. **Youth Development** (21 hours): CFD 250(3), 260(4), 301(3), 360(5), 505(3), 560(3)

3. With approval of advisor, complete support electives to bring total hours in degree to a minimum of 125: Child Development (23 hours), Child Life (3 hours), Family Studies (22 hours), Youth Development (27 hours)

4. Candidates for the Bachelor of Science in Child and Family Development are required to meet the following grade requirement: a grade of "C" or better in each CFD course or any required course for the options required for graduation.

5. Public Affairs Capstone Experience will be fulfilled by completion of CFD 466(6).

C. General Baccalaureate Degree Requirements

## Minor(s)

## Child and Family Development

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

A. Select six hours from the following, with approval of a CFD advisor: CFD 155(3), 160(3), 163(3)

B. Select twelve hours from any CFD course or FCS 373(3) with approval of a CFD advisor to bring total to at least 18 hours.

## Accelerated graduate program in Child Life Studies

Eligible Missouri State Child and Family Development/Child Life option students may apply for admission to the Child Life Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Early Childhood and Family Development

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood and Family Development program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Early Childhood Education

## Major(s)

## Early Childhood Education

Bachelor of Science in Education (Certifiable Birth-Grade 3)
The curriculum for early childhood teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (PCI) to teach in the state of Missouri. Holders of this early childhood certificate may be employed to teach from birth through grade 3.

### Admission Requirements

The Early Childhood Education program has a selective admission policy. In addition to meeting all requirements for admission to the Teacher Education Program, those wishing to pursue a degree in Early Childhood Education must complete a separate application after completing 45 credit hours, having CFD 160 completed or in progress, earning a GPA of 2.75, completing the Missouri Educator Profile (MEP), and passing all sections of the Missouri General Education Assessment (MoGEA). In addition to the application form, students will write a one-page essay describing their interest in a career in Early Childhood Education. More details are available on the application form itself which is available in the Education Advisement Center, Hill Hall 202, and in the department office in Hill Hall 301A. Applications for the program must be submitted October 1 or March 15. As this is a competitive program, admission is not guaranteed.

Transfer students and postbaccalaureate students must also apply for admission to the Early Childhood Education program. Transfer students must meet with advisors in the Education Advisement Center and postbaccalaureate students must meet with staff from the Teacher Certification Office in Hill Hall 203 to determine when they are eligible to complete the application and essay. All students must adhere to the deadlines stated above.

The application and essay will be reviewed by a committee appointed by the Department Head. Criteria for selection will be based on GPA, written essay, and passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) Missouri State Board of Education entry examination. Students will be notified of the decision in writing. Students who are not accepted into the program may reapply in the following semester.

### Retention Requirement

Students are required to maintain a combined (Missouri State and transfer) GPA of 2.75 to continue in the Early Childhood Education program. If a student drops below the required 2.75 GPA, the student will be dismissed from the program and may reapply once the GPA requirement is once again met.

## Degree Requirements

In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements are a combination of Missouri State and transfer grades.

1. a combined (Missouri State and transfer) GPA of 2.75 or higher
2. a grade of “C” or higher in all courses listed under A
3. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses listed under B; and a grade of "C" or higher in all courses listed under B (except number 4, which requires a grade of “B” or higher)

Additionally, students must earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education Program for application procedures.

## Program Requirements

A. General Education Requirements
   Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:
   1. Focus on Written Communication (6 hours): Completion of general education requirement with a grade of "C" or better: ENG 110(3) and ENG 210(3).
   2. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended.
   3. Focus on Oral Communication: Completion of general education requirement with a grade of "C" or better: COM 115(3).
   4. Focus on Life Sciences: Completion of general education requirement with a grade of

"C" or better: BIO 100(4).

5. Focus on Physical Sciences: Completion of general education requirement with a grade of "C" or better: Choose one course from PHY 101(4), GLG 110(4), GLG 171(3), GRY 142(4), GRY 135(4).

6. Focus on Social and Behavioral Sciences: Completion of general education requirement with a grade of "C" or better: PSY 121(3) and CFD 163(3) required.

7. Courses used to meet the Focus on Humanities and the Focus on the Arts must have two (2) different course codes to meet state certification requirements. Completion of general education requirement with a grade of "C" or better: ART 200 or MUS 241 recommended.

8. Focus on Constitution of U.S. and Missouri and American History and Institutions: Completion of general education requirement with a grade of "C" or better: HST 121(3) or HST 122(3); and PLS 101(3).

B. Professional Education Degree Requirements for Teacher Certification (88 hours):

1. Content Planning and Instruction. Completion of requirement with a grade of “C” or better: EDT 365(3), ECE 575(3), MTH 320(3), RDG 318(3).

2. Individual Student Needs. Completion of requirement with a grade of “C” or better: CFD 160(3), SPE 310(3), SPE 523(3), ECE 315(3), EDC 345(3), PSY 360(3), EDT 520(1).

3. Schools and the Teaching Profession. Completion of the requirement with a grade of “C” or better: ECE 304(3).

4. Teaching and Supporting Learning of the Young Child (minimum of 30 hours). Completion of requirements with a grade of “B” or higher: CFD 260(4), CFD 455(4), CSD 312(3), ECE 301(3), ECE 302(2), ECE 303(3), ECE 401(3), ECE 402(2), ECE 403(1), RDG 420(3), RDG 421(2).

5. Home-School-Community Relations (minimum of 6 hours). Completion of requirement with a grade of “C” or better: CFD 560(3), CFD 163(3) fulfilled by General Education #A6 above.

6. Program Management (minimum of 6 hours). Completion of requirement with a grade of “C” or better: CFD 110(3), CFD 563(3).

7. Field and Clinical Experiences (minimum of 12 hours). Completion of requirement with a grade of “C” or better: ECE 495(6), ECE 496(6).

8. Public Affairs Capstone Experience will be fulfilled by completion of ECE 401(3).

C. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

D. General Baccalaureate Degree Requirements

## Accelerated graduate program in Early Childhood and Family Development

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood and Family Development program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Early Childhood Special Education

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood Special Education program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Elementary Education

## Major(s)

### Elementary Education

Bachelor of Science in Education (Certifiable grades 1-6)
The curriculum for elementary teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (IPC) to teach in the state of Missouri. Holders of this elementary certificate may be employed to teach in grades 1-6.

#### Admission Requirements

All students must be admitted to the Teacher Education Program. Refer to Teacher Education Program for application procedures. In addition to meeting all requirements for admission to the Teacher Education Program, those wishing to pursue a degree in Elementary Education must have a combined (Missouri State and transfer) GPA of 2.75 or higher.

#### Degree requirements

In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements are a combination of Missouri State and transfer grades.

1. a combined (Missouri State and transfer) GPA of 2.75 or higher
2. a grade of “C” or higher in all courses listed under A and B below
3. a combined (Missouri State and transfer) GPA of 2.75 or higher in the program focus area listed under D below.
4. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses and a grade of "B" or higher in each course listed under E below

Additionally, students must earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed

Supervised Teaching in order to earn this degree. Refer to Teacher Education Program for application procedures.

### Pre-service teacher training experience (the 500's)

To assure an optimal pre-service teacher training experience and adhere to quality standards established by the Missouri State Department of Education and the Council for the Accreditation of Educator Preparation, all students seeking the Bachelor of Science in Education – Elementary Education (grades 1-6 certification) are required to enroll in a 12 credit hour block of courses in the semester preceding supervised teaching. This block of courses includes ELE 500(3), ELE 501(2), ELE 510(3), ELE 530(2), EDT 520(1) and KIN 400(1). An extensive field experience in area public school classrooms is included in this block and students must commit two full school days to the field experience that semester which equates to 7:30 a.m. to 4:00 p.m.

### Program requirements

A. General Education Requirements
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

1. Focus on Written Communication (6 hours): ENG 110(3) and ENG 210(3) with a grade of "C" or higher.
2. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended with a grade of "C" or higher.
3. Focus on Oral Communication: COM 115(3) with a grade of "C" or higher.
4. Focus on Life Sciences: BIO 100(4) with a grade of "C" or higher.
5. Focus on Physical Sciences: PHY 101(4) with a grade of "C" or higher.
6. Focus on Social and Behavioral Sciences: PSY 121(3) or CFD 155(3) with a grade of "C" or higher.
7. Focus on Cultural Competence: GRY 100(3) with a grade of "C" or higher.
8. Courses used to meet the Focus on Humanities and the Focus on the Arts must have two (2) different course codes to meet state certification requirements with one (1) course from either Art or Music to meet state certification requirements. ART 200 or MUS 241 recommended with a grade of "C" or higher.
9. Focus on Constitution of U.S. and Missouri and American History and Institutions: HST

121(3) or HST 122(3) recommended; and PLS 101(3) with a grade of "C" or higher.

B. Degree Requirements for Teacher Certification (10 hours):

1. Mathematics: MTH 320(3) and MTH 360(3) with a grade of "C" or higher

2. Earth Science: GRY 240(4) with a grade of "C" or higher

C. Area of Concentration (minimum 21 hours):
Elementary Education majors are required by DESE to have a 21 hour area of concentration. The Elementary Education program has been structured to include an area of concentration with a minimum of 21 hours in communication arts. Therefore, no additional hours will be required to meet the area of concentration.

D. Program Focus (minimum of 6+ hours, varies by selection). Select one of the following program focus areas from 1, 2 or 3 below.

1. Accelerated Master's, 6+ hours (recommended): In consultation with an advisor, select one of the following accelerated master's programs and complete a minimum of 6 hours with a GPA of 2.75 or higher in the accelerated graduate courses: accelerated master's in Elementary Education, accelerated master's in Early Childhood and Family Development, accelerated master's in Special Education with option in Autism Spectrum Disorders, or accelerated master's in Literacy.

2. Program Emphasis, 12 hours: In consultation with an advisor, select one of the following emphasis areas and complete a minimum of 12 hours additional coursework with an overall GPA of 2.75 or higher in the emphasis courses area: Child Development, Middle School Education, Special Education, Science/Discover Nature, Mathematics, Social Studies, Diversity, Teaching English to Speakers of Other Languages (TESOL), Foreign Language, Psychology, or Literacy. Courses may be selected only with advisor approval. At least one course must be taken at the 300 level or higher. No courses utilized to satisfy other requirements on this degree may be utilized to meet this option. This option will not meet requirements for an additional endorsement certification.

3. Minor, 15+ hours: In consultation with an advisor, select one of the following minors offered under the BSEd degree and complete the minor with a GPA of 2.75 or higher: Biology, Disabilities Studies, Diversity Studies, English, French, General Family and Consumer Sciences, Geography, German, History, Linguistics, Literacy, Mathematics, Political Science, Psychology, Religious Studies, Sociology, Spanish, Teaching English to Speakers of Other Languages (TESOL), or Writing. Courses taken to satisfy requirements in A and B above may also be utilized to meet a part of this option;

however, a minimum of 12 hours of new, additional coursework must be completed to meet the program option. At least one course must be taken at the upper-division level. An earned minor will not meet requirements for an additional endorsement certification.

E. Professional Education (64 hours): A grade of "B" or higher in each course is required.

1. Foundations of Teaching: EDC 345(3), ELE 302(3); PSY 360(3); SPE 310(3)

2. Teaching Methods: EDT 365(3), EDT 520(1), ELE 410(3), ELE 425(2), ELE 429(3), ELE 434(3), ELE 438(3), ELE 500(3), ELE 501(2), ELE 510(3), ELE 530(2), ENG 334(3), KIN 400(1), RDG 318(3), RDG 420(3), RDG 421(2)

3. Supervised Teaching: ELE 495(6), ELE 496(6)

F. Public Affairs Capstone Experience will be fulfilled by completion of ELE 500(3) and ELE 510(3).

G. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

H. General Baccalaureate Degree Requirements

## Accelerated graduate program in Elementary Education

Eligible Missouri State undergraduate students may apply for admission to the Elementary Education program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Early Childhood and Family Development

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood and Family Development program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Literacy

Eligible Missouri State undergraduate students may apply for admission to the Literacy program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Family and Consumer Sciences

## Major(s)

### Family and Consumer Sciences

Bachelor of Science in Education (Certifiable grades K-12)

A. General Education Program and Requirements
   Specific General Education Requirements: PSY 121(3); BIO 101(3) and 111(1), or BIO 121(4) or BMS 110(3) and 111(1)

B. Major Requirements (43 hours):

   1. CFD 155(3), 160(3), 163(3), 250(3), 361(3); FCS 110(3), 120(3), 301(3), 335(3), 373(3), 472(3), 507(1); HSP 210(3), 218(3), 321(3)

   2. Public Affairs Capstone Experience will be fulfilled by completion of FCS 472(3).

C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.

   1. FCS 493(6), 494(6), 507(1), 512(3), 515(3)

   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program requirements for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended

   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B

   3. at least a 3.00 GPA in any additional certificate subject area

4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

**Health Education (certifiable grades 9-12, added endorsement only)**

Students who complete the BSEd degree with a major in Family and Consumer Science may receive Missouri state certification in Health Education grades 9-12 by completing the following courses: BMS 307(4) or KIN 250(3), BMS 308(4) or KIN 252(3), or equivalents; CFD 163(3); BMS 130(3) or BMS 240(3); KIN 253(2), 256(2), 257(2), 358(3); PSY 101(3); SWK 330(3); plus additional hours of electives in health-related courses, in consultation with their advisor, to bring total to 30 hours. In order to meet Missouri state teacher certification requirements, student must have at least a 3.00 GPA in the certificate subject area.

## Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# General Family and Consumer Sciences

## Minor(s)

### General Family and Consumer Sciences

Bachelor of Arts
Select 15 hours from: BMS 130(3); CFD 160(3), 163(3); FCS 301(3); HID 140(3); HSP 218(3), 321(3)

### General Family and Consumer Sciences

Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Select 24 hours from: BMS 130(3), CFD 163(3), FCS 301(3), HID 140(3), HSP 218(3), HSP 321(3), plus additional electives from CFD, FCS, HID, or HSP to bring total to at least 24 hours.

# Department of Counseling, Leadership, and Special Education

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Special Education/Cross Categorical (BSEd)+

### Graduate

Autism Spectrum Disorders (Certificate)

Counseling and Assessment (EdS)

Counseling (MS)

Educational Administration (MSEd)

Educational Administration (EdS)

Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia (EdD)

Orientation and Mobility (Certificate)

Perspectives about the American Higher Education System (Certificate)

Special Education (MSEd)+

Special Education Director (Certificate)

Student Affairs in Higher Education (MS)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Counseling (MS), Educational Administration

## Contact

**Department head**

(MSEd, EdS); Special Education/Cross Categorical (BSEd); Special Education (MSEd)

- Council for the Accreditation of Educator Preparation – Counseling (MS); Educational Administration (MSEd, EdS); Special Education/Cross Categorical (BSEd); Special Education (MSEd)

- Council for Accreditation of Counseling and Related Educational Programs – Counseling (MS)

## Mission statement

The Department of Counseling, Leadership, and Special Education strives to develop culturally competent and ethical leaders and scholars in counseling and life-long education who are actively engaged in community, state, national, and global affairs.

## Vision

The Department of Counseling, Leadership, and Special Education envisions a world in which children and adults seek opportunities for life-long learning, are confident and assured in their abilities to have a positive personal impact on the world, and serve as culturally competent citizens and leaders.

James Satterfield, EdD

**Office**

Park Central Office Building, Room 156

**Phone**

417-836-5392

**Fax**

417-836-5997

**Email**

CLSE@missouristate.edu

**Website**

education.missouristate.edu/

CLSE

# Counseling, Leadership, and Special Education Faculty

## Professors

Paul M. Ajuwon, PhD

Angela L. Anderson, PhD

Tamara J. Arthaud, PhD

O. Gilbert Brown, EdD

Jeffrey H.D. Cornelius-White, PsyD

Christopher J. Craig, EdD

Paris A. DePaepe, PhD

Linda Garrison-Kane, PhD

Joseph F. Hulgus, PhD

Cynthia J. MacGregor, EdD

Belinda R. McCarthy, PhD

Joye H. Norris, PhD

James Satterfield, EdD

## Associate professors

William J. Agnew, PhD

Kim K. Finch, EdD

## Assistant professors

Reesha M. Adamson, PhD

## Clinical instructor

Michael E. Goeringer, MSEd

## Instructors

James C. Matthews, MS

Nathaniel E. Quinn, MA

Shari L. Scott, EdD

Rebecca J. Smotherman, MS

## Emeritus faculty

Lonnie Barker, Jr., PhD

Paul D. Blisard, EdD

O. Leon Bradshaw, EdD

Ruth V. Burgess, PhD

Harold L. Chappell, EdD

Jane E. Doelling, EdD

Paul D. Enochs, PhD

Shirley J. Hendricks, EdD

Kenneth C. Holloway, EdD

C. Don Keck, EdD

Gerald H. Moseman, EdD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Counseling, Leadership, and Special Education Courses

## Counseling (COU) courses

**COU 700 Problems in Counseling**

Individual investigation into a problem or problems of concern to the student and deemed of significance by the instructor. Written report required. May be repeated to 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COU 701 Tests and Measurements for Counselors**

A comprehensive study of instruments for measuring psychological traits, including group devices suitable for use in elementary and secondary schools, as well as individual instruments for use in both school and community agency settings. Basic statistical concepts and common terminology related to measurement are taught as a functional part of the course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 702 School Counseling Foundations and Ethics**

Philosophy, organization, and practices of a counseling program in the elementary and secondary school. The school counselor's role as counselor, consultant, and coordinator, professional identity, and legal issues are included. Includes a significant focus on ethical standards and issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 703 Mental Health Counseling Foundations and Ethics**

An introduction and overview of the history, philosophy, and function of the counselor in mental health and other community agency settings. Includes an examination of service population characteristics and treatment needs, intervention modalities and approaches, professional identity, and related topics. Includes a significant focus on ethical standards and issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 705 Orientation to Personal and Professional Development**

This course is an experience in personal and group encountering and sensitivity. Its purpose is to assist students in discovering a more complete awareness, understanding, and acceptance of themselves and others as human beings. Primary emphasis will be upon students exploring self, values, needs, and personal characteristics. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 707 Human Development and Personality**

Study of child, adolescent and adult psychological development theories, normal adjustment processes, personality structure, and abnormal behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 708 Child Counseling Theories and Techniques**

*Prerequisite: admission to the Counseling program; and COU 702 or COU 703; and COU 705 and COU 710 and COU 711 or departmental permission.*

A consideration of major theories of counseling as they are related to counseling with elementary school-aged children. Emphasis is placed upon the counseling process as it affects the educational, personal, and social adjustment of children.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 710 The Helping Relationship**

*Prerequisite: admission to Counseling program or Student Affairs in Higher Education program; and concurrent enrollment in COU 711.*

Two training components are integrated to provide an intensive pre-practicum experience. The didactic component introduces basic skills of effective interpersonal communication and counseling. Participation in co-requisite laboratory (COU 711) provides supervised practice in the practical application of those skills in simulated counseling interviews.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 711 The Helping Relationship Lab**

*Prerequisite: admission to Counseling program or Student Affairs in Higher Education program.*

First enrollment must be concurrent with COU 710. Designed to accompany COU 710, this lab provides an opportunity for graduate students in counseling to practice basic counseling skills in role-played sessions with live observation, video-taped review and supervisory feedback. May be repeated to 3 hours. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 3

**Typically offered:** Upon demand
Projected offerings

**COU 714 Diversity and Multicultural Issues in Counseling**

*Prerequisite: admission to Counseling program.*

An introduction to counseling theories, interventions and issues in working with clients from diverse, minority and ethnic cultures. Values, beliefs and norms of various cultures, including the student's, will be examined as they pertain to the counseling process.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 720 Substance Use and Addiction Issues in Counseling**

Prerequisite; admission to Counseling program; and COU 708 or COU 751; and COU 710 and COU 711; or permission of the instructor. This course provides an overview of the biological, psychological, social and spiritual dimensions of substance use and dependency. Addictive behaviors are presented as part of the continuum of mental and emotional behavior, and the course will include co-occurring diagnoses and their associated interventions for counseling professionals. This includes diagnosis, treatment planning and implications for diverse populations. An integrated combination of lecture, case study, and field activities will be used.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 724 Appraisal and Clinical Interviewing**

*Prerequisite: admission to Counseling program; and COU 710 and COU 711.*

Study of and practice in conducting clinical interviews, appraising and assessing level of functioning and mental status, and developing diagnoses of psychoemotional disorders. Includes assessment of learning and functioning of children. An introduction to counseling theories, interventions and issues in working with clients from diverse, minority and ethnic cultures. Values, beliefs and norms of various cultures, including the student's, will be examined as they pertain to the counseling process.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 733 Couple and Family Counseling**

*Prerequisite: admission to Counseling program; and COU 710 and COU 711.*

An introduction to the major theories of couple and family counseling and their associated interventions. An integrated combination of lecture, discussion, demonstration and role-lay lab sessions will be used.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**COU 751 Theories and Techniques of Counseling**

*Prerequisite: admission to Counseling program; and COU 705; and either COU 702 or COU 703 or departmental permission.*

Examination of various theoretical approaches to counseling; significance of theories in counseling practice. Overview of interventions and techniques associated with each theory. Students make an intensive investigation of a problem to be selected in counseling theory and methods. Report of the investigation required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 752 Career Development**

*Prerequisite: admission to Counseling program.*

A consideration of the various theories of career development and their implications in counseling for vocational career development and their implications in counseling for vocational adjustment. A study of the work ethic, the labor force, and the concept of career education. Designed to give students competence in collecting and using occupational and educational information in counseling related to career development and in developing career education programs. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**COU 753 Analysis of Childhood Learning and Adjustment**

*Prerequisite: admission to Counseling program; and SPE 310 or SPE 340 or SPE 715; and COU 701.*

Acquaints student with various assessment and diagnostic procedures in evaluation of learning and adjustment problems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 754 Counseling for Post-Secondary and Career Readiness K-12**

*Prerequisite: admission to Counseling program.*

This course is designed to prepare school counselors to engage a diverse K-12 student population in early career awareness, planning, assessment, and making informed post-secondary choices crossing the spectrum of K-12, using the ASCA National Model and Missouri Comprehensive Counseling Program as a framework. Career development theories will be explored to encourage developmentally and culturally relevant application to K-12 student populations and includes a focus on work-life adjustment into advanced adult ages, including ethical implications.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Summer
Projected offerings

**COU 756 Group Counseling**

*Prerequisite: admission to Counseling program.*

Acquaints counselors with group counseling theories and techniques. Includes an experiential group component.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 757 Elementary Group Counseling Through Play**

*Prerequisite: admission to Counseling program or permission of instructor; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782.*

Introduction to group therapy methods and techniques appropriate to an elementary school setting. Emphasis is placed upon foundational group therapy skills in general, and on play therapy modalities in particular, that are appropriate for elementary-age children. Groups in an elementary setting, utilizing Missouri Comprehensive Guidance and play therapy and applications to diverse populations, will be emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 765 Research Seminar in Counseling**

*Prerequisite: admission to Counseling program; and SFR 780 or COU 794.*

The study, analysis, and discussion of special topics culminating in a substantial written report. Preparation of a Professional Portfolio. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 766 Psychopharmacology for Counselors**

Seminar course designed to teach current and future counselors the fundamentals of psychopharmacological agents used in mental health. Students will learn the fundamentals of neuroanatomy and neurophysiology, and relevant aspects of neurochemistry. Once this foundation is formed, students will learn about the types of psychotropic medications commonly used for major mental health conditions, the nature of their actions, indications and contra-indications for use, common dosing guidelines, and side-effects and other related risks.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 768 Crisis Counseling and Disaster Mental Health Response**

*Prerequisite: admission to Counseling Program or permission.*

An introduction to Crisis and Disaster, to the major theories and practices of crisis Intervention and Disaster Mental Health and the associated interventions throughout the Response and Recovery phases. An integrated combination of lecture, discussion, demonstration and role-play will be used.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**COU 780 Secondary School Counseling Practicum**

*Prerequisite: admission to Counseling program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and department approval for practicum.*

Supervised counseling with secondary school aged students and their families; observation, discussion, and evaluation of the counseling process. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**COU 781 Secondary School Counseling Internship**

*Prerequisite: admission to Counseling program; and either COU 780 or COU 784; and either ELE 302 or SEC 302; and department permission.*

Supervised experience in secondary school counseling at an approved school site. Minimum of 300 hours on-site. Students will receive individual supervision on-site, and small-group supervision from the department. May be repeated up to 9 hours. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 10

**Typically offered:** Fall, Spring
Projected offerings

**COU 782 Elementary School Counseling Practicum**

*Prerequisite: admission to Counseling program; and COU 708 and COU 710 and COU 714 each with grade of B or better; and COU 711; and department approval for practicum.*

Supervised counseling with elementary school-aged children and their parents; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**COU 783 Elementary School Counseling Internship**

*Prerequisite: admission to Counseling program; and COU 782; and either ELE 302 or SEC 302; and department permission.*

Supervised experience in elementary school counseling at an approved school site. Minimum of 300 hours on-site. Students will receive individual onsite supervision, and small-group supervision from the department. May be repeated up to 9 hours. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 10

**Typically offered:** Fall, Spring
Projected offerings

**COU 784 Mental Health Counseling Practicum**

*Prerequisite: admission to Counseling program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and department approval for practicum.*

Supervised counseling experience of clients from the community; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**COU 785 Mental Health Counseling Internship**

*Prerequisite: admission to Counseling program; and either COU 780 or COU 784; and department permission.*

Supervised experiences (individual, family, group) in counseling at an approved community agency site. Minimum of 300 hours on-site. Students will receive individual supervision on-site, and small group supervision from the department. May be repeated to 9 hours. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 786 School Psychological Examiner Practicum**

*Prerequisite: COU 701 and COU 753 and PSY 720.*

Supervised practicum in the administration and interpretation of individual intelligence tests, formal and informal diagnostic procedures and diagnostic interviewing techniques in an educational or clinical settings. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 787 Advanced Play Therapy Practicum**

*Prerequisite: admission to Counseling program; and COU 702 or COU 703; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782; or permission of instructor.*

This course is designed to provide an advanced counseling experience with elementary-aged children from the community. It serves as an integrative component to extend and amplify play therapy counseling skills, theory, and techniques learned in previous practica. Emphasis is placed on scheduling clients, completing case notes, advocating for clients, weekly supervisor and evaluation of counseling sessions.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**COU 788 Introduction to Supervision, Consultation and Leadership**

*Prerequisite: COU 710 and COU 711; and COU 780 or COU 782 or COU 784; and admission to Counseling EdS program or departmental permission.*

This course is designed to address fundamental theoretical and applied aspects of clinical supervision, consultation, and leadership. Supervision addresses the theory and practice of clinical supervision in counseling and psychotherapy and provides a supervised, practical experience of doing counseling supervision in an applied setting. Consultation focuses on providing consultation services in schools and other systems. Since counselors and psychotherapists are often called upon within schools and agencies to provide leadership, the leadership component of this course surveys the literature on leadership styles, roles, and emerging trends.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 789 Advanced Level: Play Therapy Supervisor**

*Prerequisite: admission to Counseling program; and COU 702 or COU 703; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782; or permission of instructor.*

This is a course with a practicum component on-site at the Center City Counseling Clinic. The purpose of the course is to provide supervisor training in the theory and practice of supervision with master's level play therapy students to include three core knowledge areas: supervision models, theories and techniques of clinical supervision of play therapy; legal and ethical issues related to supervision; and clinical issues related to supervision.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**COU 790 Counseling Workshop**

Improves skills and knowledge of counselors in specific areas. Each workshop considers a single topic in depth. 30 hours of participation equal one semester hour.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**COU 794 Introduction to Research in Counseling**

*Prerequisite: admission to Counseling program.*

Introduction to research methods in counseling, including quantitative and qualitative methods, action research, and program evaluation approaches, particularly in service-delivery settings. An emphasis is placed on developing an understanding of foundational research methods that will allow students to be effective critical consumers of research in counseling and prepare them to design and implement sound program evaluations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**COU 795 Topics in Counseling**

Individual or group class designated to address specialized topics of interest to graduate students in counseling. May be repeated to 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**COU 799 Thesis**

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

## Educational Administration (EAD) courses

**EAD 745 Curriculum for Elementary Principals**

This course is designed as an intermediate level course for the study of education program development, administration and supervision in accordance with the goals and outcomes as outlined by ELCC, ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 746 Curriculum for Secondary Principals**

This course is designed as an intermediate level course for the study of education program development, administration and supervision in accordance with the goals and outcomes as outlined by ELCC, ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 751 Foundations of Educational Leadership**

An introductory course designed for the student considering a career in educational leadership. Explores the history, basic theories, and major areas of responsibility in school leadership. EAD 751 is the first course to be taken in an administration degree program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 752 The Secondary School Principal**

An examination of the leadership responsibilities of the secondary school principal. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 753 The Elementary School Principal**

An examination of the leadership responsibilities of the elementary school principal. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 754 State and National School Leadership**

Role and responsibilities of the local, state and federal agencies in school administration.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 759 Leadership Capstone**

*Prerequisite: EAD 788 or SFR 780.*

The culminating course in the Educational Administration masters degree programs. The course results in the completion of the student's research major project; preparation and presentation of the student's graduation portfolio; and completion of departmental assessments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 772 Internship-Onsite-Part 1**

Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 780 Administration of Instructional Programs**

An analysis of instructional programs and the role of the school administrator in developing learner-centered school cultures and supporting research-based instruction.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 781 Organizational Management**

Emphasis is on basic administrative skills including fiscal management and building utilization as well as the skills and processes needed to collaboratively develop and maintain strategic plans.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 782 Internship-Onsite-Part 2**

Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisory positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 783 Internship-Related Agencies**

Problem-based field experiences with various external agencies that relate to the school administrator or supervisor (i.e. juvenile court, law enforcement, community support services, etc.) Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 784 Multicultural Issues Involving Human Relations and Collaborative Processes**

Designed to develop skills in effective interpersonal skills, written and oral communication within a diverse cultural community.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 785 Legal and Ethical Contexts of Schooling**

Explores the statutory and regulatory requirements as well as the ethical implications of policy initiatives inherent in the effective operation of a school.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 786 School Supervision and Performance Enhancement**

Administrative functions related to human resource management and development as well as enhancing the performance of the instructional personnel. (i.e. recruitment, selection, retention, training, supervision, evaluation of staff.)

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 787 Administration of Special Programs**

Designed to provide skills to establish, administer, and supervise special education services and other student programs. Programs in the area of special education, guidance, vocational education, early childhood as well as current state and federal programs affecting education are emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 788 Action Research in Educational Leadership**

Introduction to the research designs and analysis techniques of action research. Student will engage in activities designed to examine current best practices in the school setting through a methodical, research-based orientation with the ultimate goal of assessing the effect of innovative practices on a variety of school variables.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 799 Thesis**

*Prerequisite: EAD 788 and SFR 780.*

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours credit.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 841 Advanced Issues in School Improvement**

Designed as an advanced level course for the study of barriers to learning, strategies to reduce or eliminate those barriers, stakeholder involvement, advanced strategic planning techniques and program development, in accordance with the goals and outcomes of the I.S.L.L.C. standards and the EAD Knowledge Base. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other I.S.L.L.C. member states. The course provides an opportunity for students to identify significant barriers to learning within an educational setting, analyze the conditions of the educational setting and take specifics steps to eliminate the barriers and support student success.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 842 Modern Trends in Educational Administration**

Designed as an advanced level course for the study of the larger contexts of education. Students will study state, multi-state and national trends/issues, analyze their effect upon local school programming and student learning, identify appropriate outside agencies for initiating collaborative relationships as well as identify adaptive leadership behaviors to respond to various trends/issues. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states. These goals and outcomes are based upon ISLLC standards as well as the EAD Knowledge Base.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 843 School and Community Partnerships**

Designed as an advanced level course for the study of establishing, nurturing and sustaining effective school-community partnership programs. Students will be exposed to content and will generate material that demonstrates the ability to develop partnerships with business, higher education and other community groups which supplements the learning environment and supports the overall mission of the school as outlined by goals and objectives of the ISLLC standards as well as the EAD Knowledge Base. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states. The course provides a broad overview of the essential elements of educational partnership programs while working with social agencies and elementary grant writing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 844 Leadership in Professional Development**

Designed as an advanced level course for the study of enhancing professional performance through effective staff development and performance enhancement efforts. Students will demonstrate the ability to collaborate professionally with staff to enhance performance and promote successful teaching and learning in accordance with the goals and outcomes as outlined by ISLLC standards as well as the EAD Knowledge BASE. The course provides a broad overview of advanced elements of supervision including national teaching standards, adult learning theory, effective staff development and use of data to inform professional development efforts. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 850 Politics of Education**

Overview of the origins and the nature and impact of political forces surrounding and influencing schools. Students will study the increasingly complex political web of American education as well as research the continuing debate dealing with local control versus the expanding role of state and federal government. This course will help the student in educational administration analyze the various core constituencies of school politics, analyze the issues/demands made in the school community, and study the intervening variables associated with school issues as well as the decisions which must be made by school policy makers.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 858 School Personnel**

This course will provide knowledge related to areas of personnel process such as: human resource planning, recruitment, selection, placement, induction, staff development, appraisal, compensation, negotiation, employment conditions, employee data, support staff, empowerment of staff, policies and procedures, and career paths.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 860 Field Study**

*Prerequisite: EAD 895.*

This course involves the completion of field projects conducted in cooperation with a public school district or appropriate agency. Requires a formal investigation and survey of a recognized problem within a selected institution. The nature of the investigation may also be in-depth, independent research relevant to current practice in any facet of the educational process. The subject for investigation is selected by the student with approval of the advisory committee. An oral review of the project will be presented to a selected faculty committee. May be repeated but not to exceed a total of 6 hours. A maximum of 3 hours may be counted toward degree.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 861 Human Relations**

Designed to upgrade educational leaders in human relations skills. Major focus will be on effective group processing and dynamics, understanding learning styles and cultural diversity issues, and facilitating skills for school improvement.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 862 The Superintendency**

Analysis and discussion relating to current problems of school management involving decision making, data processing, operations, research, work and wages, unions and management, and purchasing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 863 Curriculum Design and Evaluation**

A course designed to investigate and analyze current and innovative instructional programs. Special emphasis is given to national reports on educational practices and the development of a model school of the future.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 864 Diversity and Community Relations**

An examination of the various strategies involved in establishing effective internal and external communications. The responsibilities of boards of education, administrative officials, staff personnel, students, and the community will be emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 865 School Law**

Constitutional statutory and case law that relates to all staff personnel, students, school district and other allied governmental units is investigated, analyzed and discussed. Special emphasis is given to the study of contracts, dismissals, tenure, retirement, pupil injuries, liability of school personnel, school district and board member's legal rights and responsibilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 866 Public School Finance**

A study of school budgeting procedures, revenue and expenditure accounting, problems related to local, state and federal financing of public school operations. The Missouri Uniform Accounting System for Public Schools is utilized in the development of a major school finance project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 867 School Plant Planning and Maintenance**

Designed to familiarize students with the development of master plans and educational specifications for a school facility. Attention is given to site and building evaluations, barrier-free facilities, bond issues, remodeling, energy conservation, contractor and architectural responsibilities, and equipping and maintaining school plants.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EAD 870 Specialized Topics in Educational Leadership**

Designed to upgrade the school administrator or leader's knowledge and skills in specialized areas of current interest and need. Variable Content Course. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 882 Superintendency Internship-Part 1**

Problem-based field experiences at the superintendency level to emphasize the intern's knowledge, skills and sensitivity in working with diverse students, staff and community. Students spend specified periods of time working with experienced administrative personnel. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 883 Superintendency Internship-Part 2**

Problem-based field experience at the superintendency level to emphasize the intern's knowledge, skills and sensitivity in working with diverse students, staff and community. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EAD 884 Special Education Director Administration Internship-Part I**

Designed as a certification course for the recommendation as a Special Education Director in accordance with the goals and outcomes as outlined by ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides the broad overview of the essential elements of an internship experience in the position of a Special Education Director including the daily operation, assessment, and evaluation of student achievement/placement in appropriate educational settings.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**EAD 885 Special Education Director Administration Internship-Part II**

This is the second part of the Special Education Director of Administration internship which has been designed as a certification course for the recommendation as a Special Education Director in accordance with the goals and outcomes as outlined by ISLLC, MoSPE, as well as the EAD Knowledge Base. The course continues the broad overview of the essential elements of an internship experience in the position of a Special Education Director including the daily operation, assessment, and evaluation of student achievement/placement in appropriate educational settings.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**EAD 895 Research in Administrative Practice**

The study of research in the field of educational administration. This course integrates research skills and professional administrative practices. Students interpret, evaluate and apply research skills enabling them to design a Field Study proposal which is required for the Specialist degree in Educational Administration.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Educational Leadership (EDD) courses

**EDD 901 Leadership Theory and Practice**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

Advanced study of leadership theories, concepts, and inquiry as applies to educational organizations. The course will explore leadership theories, power and authority in organizations, leader effectiveness, and organizational reform. Emphasis will be placed on understanding leadership in organizations through application and extension of leadership theories in practice.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDD 902 Quantitative Methods in Educational Research I**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

This course focuses on types of regression analysis and includes the following topics: simple linear regression, multiple regression, and semi-partial correlation, regression with categorical variables, categorical and continuous variables within the same model, Multilevel analysis (Hierarchical linear modeling), and structural equations. The emphasis in this class is on conceptual and practical understanding, rather than on computation. Goals are for the students to: (a) understand the basic assumptions and models underlying regression analysis, (b) use a statistical analysis package to conduct regression analysis, (c) read and interpret the output from a statistical analysis package, and (d) use this output to write a results sections.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDD 903 Leadership Inquiry II**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

This course is part of the statewide collaborative doctoral program. This course will emphasize a wide range of instructional methodologies, cooperative activities, problem-based learning and practical application. The students will be able to design, conduct, and report research to address problems of practice using appropriate research methodologies.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDD 904 Content and Context of Learning**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

Students will develop the knowledge and skills for examining, designing, and implementing school and classroom conditions that support quality learning experiences for all students and personnel. This course theme is about learning, and those issues that enhance and detract from quality learning for all. Throughout the course, participants and instructors will model optimum learning conditions and strategies. Students will be asked to demonstrate a thorough understanding of those conditions and competencies through study, critique, development and implementation of authentic learning experiences for their colleagues. Resources to support the learning experiences will include audio-visual materials, readings, internet, and simulations. Authentic assessment will be used to determine each student's level of competence in the course content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDD 905 Leadership Inquiry III**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

This one hour doctoral level seminar will focus on understanding key concepts and methodologies of data reporting in K-16 organizations and with members of that organization to address problems of practice.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDD 906 Educational Leadership Inquiry IV**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

The purpose of this advanced seminar is to deepen understanding of research by requiring students to make decisions about certain aspects of their dissertation research, following the dissertation-in-practice format. Specifically, the course will clarify the problem of practice, purpose of the study, research questions, framework, and study design. This course is also designed to provide scaffolding for the written comprehensive examination.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDD 907 Program Planning and Evaluation**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

Explores the theory and practice of evaluation of educational programs including evaluation models, research methods and design strategies to measure program outcomes, especially student and school performance. In addition, skills in program planning will be developed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDD 908 Qualitative Tools for Applied Research in Educational Leadership**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

This course focuses on qualitative research theory, design and analysis. Students will learn how educational leaders can use qualitative research design to critically examine research questions in their practice. They will also learn to analyze educational issues and execute processes to effectively explore those issues using qualitative methods.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Student Affairs in Higher Education (SAE) courses

**SAE 721 Introduction to Student Affairs**

An introductory course designed for the student pursuing a career in Student Affairs. This course explores the origin, history, philosophy, theory, and practice related to the Student Affairs profession.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SAE 723 Student Development Theory**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

Introduces the student to student development theories. A basic understanding allows the student to note application of these theories to practice. This will result in Student Affairs professional who can design approaches that work most effectively with students.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SAE 726 Higher Education in the United States**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

The historical development of American higher education will be presented. Political, social, economic, and intellectual issues will be examined from its inception to the present day for contemporary application. A focus will be on the matrix of trend, topics, and eras. An emphasis is placed on higher education in the post World War II era creating a solid background of higher education in the last 50 years.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SAE 727 Inclusive Campus Environment**

This introductory course will examine the issues, concepts, and problems that contribute to the discourse on creating and sustaining inclusive campus environments at institutions of higher education (IHEs), especially at traditional majority white institutions (TWIs). Definitely, there is not a universal pathway toward creating and sustaining inclusive campus environments. The institution's mission, culture, and traditions play a major role in shaping the context of inclusive campus environments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SAE 728 Individual and Group Support Skills**

*Prerequisite: admission to the Student Affairs in Higher Education Program.*

The individual purpose of this class is to help emerging Student Affairs professionals strengthen and expand their capacity to help individual undergraduates and small groups of undergraduates remove barriers which impact student success as measured in degree attainment within institutions of higher education (IHEs). Emerging professionals with sound personal foundations and boundary spanning skills are able to partner with individuals and small groups of students who may be different. The differences may include many dimensions of diversity, including factors such as race ethnicity, gender, differential ability, and sexual orientation. Student Affairs professionals will demonstrate competence in using helping skills (listening, paraphrasing, group facilitation, and problem solving) to work with individuals and small groups in the university environment. Thus, the class will provide students through lecture and experimental learning the opportunities to acquire and practice helping skills in a safe environment. The anticipated outcome of the class is that students will acquire an advanced capability in helping students and small groups remove barriers to their academic success/degree attainment. Thus, the class seeks to align the curricular and application practices with ACPA/NASPA Personal Foundation, Helping, and Equity, Diversity and Inclusion Competencies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SAE 729 Foundations of Research**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

Students will acquire and use research methods skills. These skills will be put to use in preparing a research proposal, reviewing empirically-based journal articles, formulating hypotheses, designing observational studies, and analyzing and interpreting data.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SAE 732 Leadership and Administration in Higher Education**

*Prerequisite: admission to Student Affairs in Higher Education program.*

Students will be provided with the opportunity to develop a firm working concept of leadership theories and principles. Upon completion of the course, students should be able to identify and discuss the role of leadership in student affairs, and be able to apply those leadership principles to activities in their job.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SAE 735 Governance and Finance in Higher Education**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

Exposure of the student to theoretical and applied concepts of governance and finance structures in higher education. Emphasis will be on organizational structures, financial operations, terminology, successful administrative/management practices, and models prevalent in higher educational settings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SAE 738 Legal and Ethical Issues in Student Affairs**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

Introduction to the basic and current legal and ethical concepts that face American colleges and universities today. Topics to be discussed include the basis from which higher education law is formed; current case, state, and regulatory laws; personnel issues; and risk management and liability issues for higher education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SAE 747 Supervised Practice**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

Students will earn academic credit for completion of two practica working in Student Affairs departments. Knowledge accumulated in coursework will be applied to the work setting. Experiences are cooperatively planned and guided by university personnel. May be repeated one time for a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SAE 748 Special Projects: Reflective Moments in Higher Education and Student Affairs**

*Prerequisite: admission to the Student Affairs in Higher Education program or the Perspectives about the American Higher Education System graduate certificate.*

The primary objective of this class is to provide students who are full-time employees at either MSU or area institutions an alternative to the traditional 6-hour supervised practice requirement that most cohort students complete through SAE 747, Supervised Practice. Similar to SAE 747, Supervised Practice, students will complete two sections of the class (6 hours) distributed over two semesters. Under the direction of the instructor, students will complete an extensive seminar/degree paper that enhances the student's graduate program portfolio requirement. May be repeated one time to a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**SAE 749 Student Outcomes**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

Fostering undergraduates' success inside and outside of the classroom is a byproduct of academic and student affairs collaboration. The aim of the course is to help new professionals understand the outcomes of student success.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SAE 755 Topical Seminar**

*Prerequisite: permission of SAE Program Director.*

This seminar seeks to provide students a curricular structure to assimilate emerging professional development practices in higher education and student affairs. Course will not count toward SAE degree requirements.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**SAE 766 Research Methods and Data Analysis**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

This course provides a review of the most commonly utilized research designs and methods and approaches to data analysis and reporting in Student Affairs. Students will learn how to utilize research studies in the academic and professional literature and how to prepare research proposals and conduct research within a college or university setting. Students completing the course should have an understanding of the factors which influence research quality, including reliability, validity and the use and misuse of statistics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SAE 767 Assessment and Evaluation**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

This course provides a "hands-on" approach to assessment and evaluation of individual and program outcomes in Student Affairs, focusing on how to measure change in student knowledge, skills and behaviors and the effectiveness of programs in producing outcomes. The course will also address the relationship of assessment and evaluation to: strategic, division and program planning; benchmarking and program review; and the preparation of grant proposals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SAE 771 Capstone Seminar**

*Prerequisite: admission to Student Affairs in Higher Education program.*

This professional seminar is designed to promote the integration of the core curriculum and practitioner experiences of the master's program in student affairs administration, and to prepare students for the transition to a professional Student Affairs position following completion of the degree.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

## Special Education (SPE) courses

**SPE 300 Service Learning in Special Education**

*Prerequisite: 30 hours and concurrent registration in SPE 310 or SPE 340 or SPE 715.*

This service component for an existing course incorporates community service with classroom instruction in Special Education to provide an integrated learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SPE 306 Integrating the Arts for Students with Disabilities**

*Prerequisite: SPE 310 and SPE 320 and SPE 345 and SPE 346; concurrent enrollment with SPE 519 or SPE 521 or SPE 619 or SPE 621 required.*

Focuses on integration of five primary art forms (i.e., literature, music, drama, movement, and art) into the content area curriculum. Emphasis will be upon the five primary art forms, how they relate to and enhance one another, and how they facilitate children's learning within the core subject areas. Activities, materials, and lessons in these areas will be developed with particular attention to developmentally appropriate methodology and appropriate modifications/ accommodations useful in making the arts accessible to students with disabilities. A series of five workshops will explore the theory, methodology, and activities for integrating the arts into the daily routine of the classroom. Field experiences are a part of the course.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 310 Introduction to Special Education**

*Prerequisite: 30 hours; and an initial Missouri State Board of Education entry examination must be taken.*

Focuses on the special education process as mandated by state and federal guidelines. Legislation, litigation, and service options pertaining to diverse populations will be stressed including those with disabilities, culturally diverse, and gifted. Emphasis will be placed on current issues in the field of special education. Special Education majors will complete required first Transition Point in this course, including purchase of Taskstream and posting of initial Teacher Education Contract and Contact Information.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**SPE 320 Introduction to Teaching Cross Categorical Special Education**

*Prerequisite: SPE 310; and admission to Teacher Education Program.*

Focuses on students served in cross categorical special education settings as well as low incidence populations. Emphasis will be placed on theoretical perspectives, etiology, characteristics, and historical aspects pertaining to individuals with mental retardation/intellectual disabilities, developmental disabilities, behavior disorders/emotional disturbance, and learning disabilities. Introduction to lesson planning and development of individual education plans will be included.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 322 Introduction to Teaching Cross-Categorical Special Education-Practicum**

*Prerequisite: Admission to teacher education; cleared FCSR background check; concurrent enrollment in SPE 320.*

This practicum will provide students with opportunities to complete an introductory field experience involving K-12 cross-categorical special education services for children and youth with mild/moderate disabilities (i.e., learning disabilities, intellectual disabilities; developmental disabilities, emotional/behavioral disorders, and physical and other health impairments. Students are required to complete a minimum of 15 hours on-site in a cross-categorical special education setting.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**SPE 340 Educational Alternative for Exceptional Students**

*Prerequisite: admitted to Teacher Education Program.*

Provides an overview of characteristics and identification criteria for individuals with disabilities and gifted. Legislation and process pertaining to special education will be addressed along with a focus on teaching individuals with diversity in the elementary, middle, and secondary educational setting. Cannot be substituted for SPE 310 core requirement in the Special Education major or minor.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 345 Educational Evaluation of Exceptional Students**

*Prerequisite: SPE 310; and concurrent enrollment in SPE 346; and admitted to Teacher Education Program.*

Focuses on mastery of psychometric principles as well as diagnostic and prescriptive teaching from performance based data. Federal and state process guidelines pertaining to multidisciplinary evaluation will be addressed. Emphasis will be placed on assessment of diverse individuals including those with disabilities, cultural, ethnic, and language differences. Content will address norm-referenced and curriculum-based assessment procedures, including curriculum-based measurement.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 346 Educational Evaluation of Exceptional Students Lab**

*Prerequisite: SPE 310; and concurrent enrollment in SPE 345; and admitted to Teacher Education Program.*

Students will apply course content presented in SPE 345 through field based and lab activities including administration and scoring of standardized assessment instruments, development of alternative assessments, data analysis, and report writing. Lab experiences will be designed to meet specific competencies in either Early Childhood Special Education or Special Education K-12. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**SPE 450 Methods of Teaching Mathematics to Exceptional Individuals**

*Prerequisite: SPE 345 and SPE 346 and MTH 320 and admitted to Teacher Education Program.*

The focus of the course will include accommodating individual differences and diversifying instruction in the area of mathematics. Students will develop performance based assessment procedures, conduct error analyses, and apply mathematics skills in program planning for the diverse learner. Cannot receive credit for both SPE 450 and SPE 717.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 460 Curriculum Materials for Exceptional Students**

*Prerequisite: SPE 310 and admitted to Teacher Education Program.*

This course examines curriculum materials for use with exceptional students in various remedial areas. Students will develop skills to analyze, select, utilize, and evaluate instructional guides and materials.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**SPE 480 Problems in Special Education**

*Prerequisite: permission of instructor.*

The student in consultation with the advisor or teacher selects a topic in special education for in-depth study and/or special investigation. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 5 hours. Variable content course.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPE 491 Practicum-Teaching Individuals with Behavior Disorders/Emotional Disturbance**

*Prerequisite: concurrent enrollment in SPE 581 or SPE 661; and admitted to Teacher Education Program.*

Students will apply skills from introductory and specialized courses in settings with students with behavior disorders/emotional disturbance. Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**SPE 492 Practicum-Teaching Individuals with Learning Disabilities**

*Prerequisite: concurrent enrollment in SPE 582 or SPE 662; and admitted to Teacher Education Program.*

Students will apply skills from introductory and specialized courses in settings with students with learning disabilities. Students will be involved in individual small group instruction, develop and implement instructional lessons, and meet with the university supervisor and other practicum students to reflect on experiences.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**SPE 493 Practicum-Teaching Individuals with Mental Retardation/Developmental Disabilities**

*Prerequisite: concurrent enrollment in SPE 583 or SPE 663; and admitted to Teacher Education Program.*

Students will apply skills from introductory and specialized courses in settings with students with mental retardation and developmental disabilities. Students will be involved in individual and small group instruction, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring, Summer
Projected offerings

**SPE 495 Supervised Teaching-Special Education**

*Prerequisite: SPE 519 or SPE 619; and SPE 521 or SPE 621; and SPE 450; and SPE 517 or SPE 617; grade of C or better in all professional education courses; current pre-professional liability insurance; and approval for student teaching.*

Student observes, teaches and participates in professional activities under the direction of the cooperating teacher and the University supervisor. In order to receive a grade in this course, the student's clinical logs and all competency-based assessment projects must be submitted and approved. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 9
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SPE 496 Seminar: Supervised Teaching-Special Education**

*Prerequisite: concurrent enrollment in SPE 495.*

Student observes, teaches, and participates in professional activities under the direction of the cooperating teacher and university supervisor or university instructor. In order to receive a grade in this course, the student's student teaching performance-based assessments must be submitted and must meet instructor approval for certification submission. Course will not count toward the major GPA.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SPE 497 Practicum: K-12 Cross-Categorical Special Education**

*Prerequisite: admission to Teacher Education Program; and SPE 517 or SPE 617; and SPE 519 or SPE 619; and SPE 521 or SPE 621; and concurrent enrollment in SPE 550 or SPE 650; and concurrent enrollment in SPE 560 or SPE 650; and cleared background check.*

Students will apply skills from introductory and specialized courses in cross-categorical special education settings with students diagnosed with mild/moderate disabilities such as learning disabilities, behavioral disorders, developmental disabilities (e.g., intellectual disabilities, autism, Asperger syndrome, cerebral palsy) and orthopedic and health impairments (e.g., ADHD, epilepsy). Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. Competencies in development of lesson plans, development of Individual Education Programs (IEPs), development of transition plans, and development of parent/family communication procedures will be emphasized. Minimum of 120 field experience hours will be required.

**Credit hours:** 4
**Lecture contact hours:** 0
**Lab contact hours:** 8

**Typically offered:** Fall, Spring
Projected offerings

**SPE 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and SPE 497 or SPE 520 and SPE 522; and concurrent enrollment in SPE 496; and grades of "C" or better in all professional education courses; and completion of Transition Points 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of educator preparation requirements. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SPE 502 Early Intervention for Young Children with Autism**

*Prerequisite: permission of department head.*

This course constitutes the second and last segment of the Missouri Autism Institute for educators who are, or will be, working with young children birth to age six who experience symptoms of autism. May be taught concurrently with SPE 602. Cannot receive credit for both SPE 602 and SPE 502.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 504 In-District Autism Consultant Training**

*Prerequisite: current Missouri teaching certification.*

Students will study advanced educational techniques of autism in general and educational methodologies specifically used with children with autism. Instruction will be provided in consultation and collaboration techniques. Students will demonstrate competence in educational report writing and in-service instruction. Personal professional development plans will be developed by each student, as well as a rating of personal competence. Students will be provided with resources for further study. May be taught concurrently with SPE 604. Cannot receive credit for both SPE 604 and SPE 504.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 505 Braille Reading and Writing I**

*Prerequisite: permission of instructor.*

This online course has been designed to enable teachers of children and youth with visual impairments develop basic competencies in reading and writing literary Braille, prepare correctly formatted Braille material, and have an awareness and basic understanding of the Nemeth codes for math and science for students grades K-12. Students will employ the use of the Perkins Braille Writer, slate and stylus, Perky Duck, and Duxbury translation software to produce high quality Braille material. Successful completion of this course should be regarded as only one step in a series of courses leading to certification in teaching students with visual impairments. An approved certification process must be completed in order to acquire basic and necessary competencies for work with children and youth with visual impairments. Finally, the course has been designed to help teachers develop an appreciation for the Braille system and the application of this system to all aspects of life for individuals with visual impairments. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Students must complete SPE 505 and SPE 611 to achieve mastery of literary Braille code. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 605. Cannot receive credit for both SPE 605 and SPE 505.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 506 Principles of Orientation and Mobility**

*Prerequisite: permission of instructor.*

This course focuses on the history, philosophy, and ethics of orientation and mobility. Participants will also consider various consumer driven approaches in orientation and mobility. The course will give the teacher of the visually impaired the ability to perform and monitor basic techniques of orientation and mobility as used by students who are blind, visually impaired, or multi-handicapped. Students will be required to create a video record of their blindfold and other sensory experiences to illustrate their skill development. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 606. Cannot receive credit for both SPE 606 and SPE 506.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPE 507 Services and Diversity in Blindness and Low Vision and Additional Disabilities**

*Prerequisite: permission of instructor.*

An introduction to educational programs and services, and diversity issues for persons with blindness or low vision, deaf-blindness and multiple disabilities. This course will provide teachers, paraprofessionals, rehabilitation professionals, counselors, social workers, psychologists, etc. with a foundation in the issues of diversity for persons with blindness or low vision, historical perspectives, developmental characteristics, resources, and legislation related to blindness and low vision and multiple disabilities. An emphasis will be placed on the implications of blindness or low vision, deaf-blindness and multiple disabilities on the development of the individual and on resources that enhance functioning. May be taught concurrently with SPE 607. Cannot receive credit for both SPE 607 and SPE 507.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SPE 508 Low Vision, Anatomy and Physiology of the Eye**

*Prerequisite: permission of instructor.*

This online course will introduce teachers, rehabilitation specialists and others to practical applications of low vision techniques. The students will use low vision simulators to perceive, integrate and react to different environmental stimuli. Sections of the course will involve clinical low vision examinations. Analysis and application of the fundamental principles and theory of sensory information acquisition by the visually impaired or blind as it applies to the classroom teacher will be stressed. Also, the course will address a full array of eye diseases and conditions and the educational implications. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 608. Cannot receive credit for both SPE 608 and SPE 508.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 510 Physical and Health Needs of Students with Disabilities**

*Prerequisite: SPE 345 and SPE 346; and admitted to Teacher Education Program.*

Focuses on the role of the special educator in management of health related issues such as monitoring medication and providing services to individuals with specialized self care needs and those with chronic illness. Emphasis will be placed on collaboration with related services staff and medical personnel as well as the integration of the student with health care needs into school and community settings. May be taught concurrently with SPE 613. Cannot receive credit for both SPE 613 and SPE 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 515 Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings**

*Prerequisite: admission to the Teacher Education Program.*

Focuses on the foundational principles of applied behavior analysis. Emphasis will be placed on the development of positive behavior support plans that proactively assist students with challenging behavior in applied and/or school settings. May be taught concurrently with SPE 616. Cannot receive credit for both SPE 616 and SPE 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 516 Application of Applied Behavior Analysis and Interventions in Applied Settings**

*Prerequisite: SPE 515.*

Focuses on the application of applied behavior analysis principles within school-based settings. Students will complete functional analysis/assessment on children and youth with disabilities and employ science based instruction strategies is school settings. May be taught concurrently with SPE 618. Cannot receive credit for both SPE 618 and SPE 516.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**SPE 517 Direct Instruction in Reading and Language Arts**

*Prerequisite: SPE 310 or SPE 340; and SPE 345 and SPE 346.*

Empirically based instructional practices with emphasis on systematic development of reading and written language skills to support learners with special needs will be applied in a school setting. Students will also gain knowledge of varied theoretical perspectives and instructional approaches including validated behavioral and cognitive based methods that support diverse learners. The content of the course will include activities to support determination of present level of performance and placement in special and general education curricula per IDEA and other Federal mandates. May be taught concurrently with SPE 617. Cannot receive credit for both SPE 617 and SPE 517.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 519 Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners**

*Prerequisite: SPE 310 and SPE 320 and SPE 345 and SPE 346 and SPE 515; and admitted to Teacher Education Program.*

Focuses on the application of theoretical perspectives and research-based methods of teaching students with learning disabilities or emotional and behavior disturbances. Evaluation procedures appropriate to analysis of academic achievement, social behavior, monitoring achievement, and behavioral change will be emphasized along with educational programming that promotes increasing achievement levels, improved social development, and inclusion. This course will incorporate elements of career/vocational education and transition, plus accommodations and best practices for content-area instruction provided to diverse learners in the general education program. May be taught concurrently with SPE 619. Cannot receive credit for both SPE 619 and SPE 519.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 520 Practicum-Teaching Individuals with Learning and Behavioral Disorders**

*Prerequisite: concurrent enrollment in SPE 519 and admitted to Teacher Education Program.*

Students will apply skills from introductory and specialized courses in settings with students with learning disabilities and behavioral disorders. Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 620. Cannot receive credit for both SPE 620 and SPE 520.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**SPE 521 Methods II: Functional Living Skills and Health Issues**

*Prerequisite: SPE 320 and SPE 322 and SPE 345 and SPE 346; and SPE 515 or SPE 616 or concurrent enrollment in SPE 515 or SPE 616; and admitted to Teacher Education Program.*

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., intellectual disabilities, autism, cerebral palsy) who may have associated orthopedic and health impairments (e.g., ADHD and epilepsy). Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation, accommodations, and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 621. Cannot receive credit for both SPE 621 and SPE 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 522 Practicum-Instruction of Students with Developmental Disabilities and Other Health Impairments**

*Prerequisite: concurrent enrollment in SPE 521 and admitted to Teacher Education Program.*

Students will apply skills from introductory and specialized courses in settings with students with developmental disabilities (e.g., mental retardation, autism, Asperger syndrome, cerebral palsy) and orthopedic and health impairments (e.g., ADHD, epilepsy). Students will be involved in individual and small group instruction, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 622. Cannot receive credit for both SPE 622 and SPE 522.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**SPE 523 Curriculum and Methods in Early Childhood Special Education**

*Prerequisite: SPE 310; and admission to Teacher Education Program.*

Focuses on major aspects in early childhood special education including legislation, litigation, and current issues in the field. Each area of development of young children with disabilities will be a part of the course with particular emphasis on adaptation of materials and curricula to meet the needs of these children. There will also be a focus on families and issues surrounding assessment and eligibility for special education programs. Reflection on current practices and services for young children with disabilities will be included. May be taught concurrently with SPE 623. Cannot receive credit for both SPE 623 and SPE 523.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 525 Introduction to Teaching and Assessing Students with Autism Spectrum Disorders**

*Prerequisite: admitted to Teacher Education Program; SPE 345 and SPE 346.*

This course will support individuals across various disciplines who wish to gain knowledge of identification, assessment, and programming for individuals on the Autism Spectrum. Conditions associated with ASD will be examined along with etiology, prevalence, and assessment issues. Students will apply knowledge through review of, and practice with, various norm referenced and informal instruments and rating scales specific to ASD. Emphasis will also be placed on validated programming for ASD. May be taught concurrently with SPE 625. Cannot receive credit for both SPE 625 and SPE 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 526 Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders**

*Prerequisite: SPE 515; and SPE 516 or PSY 508.*

The evolution of science based practices for students with developmental disabilities and autism spectrum disorders are still emerging within the field of education. The purpose of this course is to train teachers and/or care providers to identify science based practices within applied behavior analysis and apply these principles to students with developmental disabilities and autism spectrum disorders within applied settings. This course will focus on the use of operant behavioral techniques with an emphasis on functional analysis and functional communication training. Students will conduct clinical and school-based assessments and interventions with school age children diagnosed with developmental disabilities and autism spectrum disorders. May be taught concurrently with SPE 626. Cannot receive credit for both SPE 626 and SPE 526.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**SPE 527 Seminar in Developmental and Sensory Disabilities**

*Prerequisite: SPE 507 or SPE 525 or equivalent.*

This course is designed to provide practitioners with the knowledge and skills to implement research based practices for individuals with developmental disabilities including autism spectrum disorders (ASD). The course will also address issues specific to sensory integration, visual impairments, and significant cognitive delays. Students will examine in depth, approaches and models validated to support present level of performance needs for individuals with a variety of developmental and sensory requirements. Students will complete lecture hours where theoretical perspectives and the detailed components of various treatments are examined. In a corresponding field component, students will implement an applied project that will address the sensory, communication, learning, and social needs of a client who has been identified with multiple developmental delays. Measurement of outcomes specific to treatment plans will be a significant component of the applied activities. May be taught concurrently with SPE 627. Cannot receive credit for both SPE 627 and SPE 527.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**SPE 550 Career/Vocational Education and Transition**

*Prerequisite: admitted to Teacher Education Program.*

Legislation and process pertaining to transition services for individuals with disabilities will be emphasized. Students will explore vocational service delivery options and the role of the multidisciplinary team in the development and implementation of appropriate life skill programming across the age span. May be taught concurrently with SPE 650. Cannot receive credit for both SPE 650 and SPE 550.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 556 Topical Issues in Special Education**

*Prerequisite: permission of instructor.*

To develop understanding and skills in relevant areas of special education. Each offering concerns a single topic. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 5 hours when topics change. Variable content course. May be taught concurrently with SPE 656. Cannot receive credit for both SPE 656 and SPE 556.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPE 560 Working with Families of Exceptional Individuals**

Recommended Prerequisite: SPE 310. The relationship between families of children with special needs and various agencies is a central theme of this course. Techniques for working with a variety of families will be explored along with the impact of many ecological factors on families of students with disabilities. May be taught concurrently with SPE 660. Cannot receive credit for both SPE 660 and SPE 560.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 579 Application of Technology in Special Education**

*Prerequisite: admission to Teacher Education; and SPE 320.*

This course is designed to provide pre-service special education teachers with an introduction to the use of computer technology and a variety of assistive and augmentative technology in the instruction of children and adults with learning, behavior, sensory, motor and communication disabilities. Students will incorporate effective practices for the use of assistive and augmentative technology in assessment, selection of devices, and evaluation of assistive technologies for individuals with disabilities. Students acquire competencies related to the use of assistive devices and emerging technologies through online and field based demonstrations the implementation of effective practices in schools and other agencies which serve individuals with disabilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 581 Methods of Teaching Individuals with Behavior Disorders/Emotional Disturbance**

*Prerequisite: concurrent enrollment in SPE 491 and admitted to Teacher Education Program.*

This course will focus on application of theoretical perspectives and research-based methods of teaching students with emotional and behavior disturbances. Evaluation procedures appropriate to analysis of social behavior and monitoring behavioral change will be emphasized along with educational programming that promotes social development and inclusion. May be taught concurrently with SPE 661. Cannot receive credit for both SPE 661 and SPE 581.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPE 582 Methods of Teaching Individuals with Learning Disabilities**

*Prerequisite: SPE 345 and SPE 346 and concurrent enrollment in SPE 492 and admitted to Teacher Education Program.*

Students will apply theoretical perspectives and research based methods in the development of diagnostic reports and educational plans for students with Learning Disabilities. Emphasis will be placed on the educator as a collaborator and advocate for provision of services in integrated settings; and on the educator as a specialist in evaluation, curricular accommodation, and modification. May be taught concurrently with SPE 662. Cannot receive credit for both SPE 662 and SPE 582.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 583 Methods of Teaching Individuals with Mental Retardation/Developmental Disabilities**

*Prerequisite: SPE 345 and SPE 346 and concurrent enrollment in SPE 493 and admitted to Teacher Education Program.*

The course will stress application of theoretical perspectives and research-based methods for individuals with mental retardation and developmental disabilities. Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 663. Cannot receive credit for both SPE 663 and SPE 583.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**SPE 584 Language Development of Exceptional Students**

*Prerequisite: SPE 345 and SPE 346 and admitted to Teacher Education Program.*

Language development and intervention for exceptional individuals. Language assessment and curriculum development for individuals with disabilities, as well as for individuals who are culturally and ethnically diverse, will be addressed. May be taught concurrently with SPE 664. Cannot receive credit for both SPE 664 and SPE 584.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 587 Introduction to the Education of Students with Behavior Disorders**

*Prerequisite: SPE 310 and admitted to Teacher Education Program.*

Students will acquire knowledge of identification, classification, diagnostic, and educational planning procedures based on the predominant conceptual models. Required for certification as teacher of students with behavior disorders. May be taught concurrently with SPE 667. Cannot receive credit for both SPE 667 and SPE 587.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 590 Approaches in Mainstreaming Exceptional Students**

*Prerequisite: SPE 310 or SPE 340 and admitted to Teacher Education Program.*

Application of methods for modifying instructional materials and curriculum to help special education and regular classroom teachers meet the demands of mainstreaming. May be taught concurrently with SPE 670. Cannot receive credit for both SPE 670 and SPE 590.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 591 Clinical Practicum in Special Education**

*Prerequisite: permission of instructor.*

This course is open to professionals with teaching certification or students pursuing a minor requiring credit hours in addition to SPE 491, 492, or 493. Students will collect data, develop and implement individual educational programs, and submit an extensive written report. Assignments will be based on area of certification. In addition, this course is utilized for credit hours toward an Internship in Orientation and Mobility and Internship in Visual Impairment. See instructor for specific requirements. May be taught concurrently with SPE 671. Cannot receive credit for both SPE 671 and SPE 591.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPE 602 Early Intervention for Young Children with Autism**

*Prerequisite: permission of instructor.*

This course constitutes the second and last segment of the Missouri Autism Institute for educators who are, or will be, working with young children birth to age six who experience symptoms of autism. May be taught concurrently with SPE 502. Cannot receive credit for both SPE 502 and SPE 602.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 604 In-District Autism Consultant Training**

*Prerequisite: current Missouri teaching certification or permission of department head.*

Students will study advanced educational techniques of autism in general and educational methodologies specifically used with children with autism. Instruction will be provided in consultation and collaboration techniques. Students will demonstrate competence in educational report writing and in-service instruction. Personal professional development plans will be developed by each student, as well as a rating of personal competence. Students will be provided with resources for further study. May be taught concurrently with SPE 504. Cannot receive credit for both SPE 504 and SPE 604.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 605 Braille Reading and Writing I**

*Prerequisite: permission of instructor.*

This online course has been designed to enable teachers of children and youth with visual impairments develop basic competencies in reading and writing literary Braille, prepare correctly formatted Braille material, and have an awareness and basic understanding of the Nemeth codes for math and science for students grades K-12. Students will employ the use of the Perkins Braille Writer, slate and stylus, Perky Duck, and Duxbury translation software to produce high quality Braille material. Successful completion of this course should be regarded as only one step in a series of courses leading to certification in teaching students with visual impairments. An approved certification process must be completed in order to acquire basic and necessary competencies for work with children and youth with visual impairments. Finally, the course has been designed to help teachers develop an appreciation for the Braille system and the application of this system to all aspects of life for individuals with visual impairments. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Students must complete SPE 505 and SPE 611 to achieve mastery of literary Braille code. Note: Midterm and final examinations will be proctored. Supplemental course fee. May be taught concurrently with SPE 505. Cannot receive credit for both SPE 505 and SPE 605.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 606 Principles of Orientation and Mobility**

*Prerequisite: permission of instructor.*

This online course focuses on the history, philosophy, and ethics of orientation and mobility. Participants will also consider various consumer driven approaches in orientation and mobility. The course will give the teacher of the visually impaired the ability to perform and monitor basic techniques of orientation and mobility as used by students who are blind, visually impaired, or multi-handicapped. Students will be required to create a video record of their blindfold and other sensory experiences to illustrate their skill development. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 506. Cannot receive credit for both SPE 506 and SPE 606.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPE 607 Services and Diversity in Blindness and Low Vision and Additional Disabilities**

*Prerequisite: permission of instructor.*

An introduction to educational programs and services, and diversity issues for persons with blindness or low vision, deaf-blindness and multiple disabilities. This course will provide teachers, paraprofessionals, rehabilitation professionals, counselors, social workers, psychologists, etc. with a foundation in the issues of diversity for persons with blindness and low vision, historical perspectives, developmental characteristics, resources, and legislation related to severe and multiple disabilities. An emphasis will be placed on the implications of blindness or low vision, deaf-blindness and multiple disabilities on the development of the individual and on resources that enhance functioning. May be taught concurrently with SPE 507. Cannot receive credit for both SPE 507 and SPE 607.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SPE 608 Low Vision, Anatomy and Physiology of the Eye**

*Prerequisite: permission of instructor.*

This online course will introduce teachers, rehabilitation specialists and others to practical applications of low vision techniques. The students will use low vision simulators to perceive, integrate and react to different environmental stimuli. Sections of the course will involve clinical low vision examinations. Analysis and application of the fundamental principles and theory of sensory information acquisition by the visually impaired or blind as it applies to the classroom teacher will be stressed. Also, the course will address a full array of eye diseases and conditions and the educational implications. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 508. Cannot receive credit for both SPE 508 and SPE 608.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 613 Physical and Health Needs of Students with Disabilities**

*Prerequisite: SPE 715.*

Focuses on the role of the special educator in management of health related issues such as monitoring medication and providing services to individuals with specialized self care needs and those with chronic illness. Emphasis will be placed on collaboration with related services staff and medical personnel as well as the integration of the student with health care needs into school and community settings. May be taught concurrently with SPE 510. Cannot receive credit for both SPE 510 and SPE 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 616 Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings**

*Prerequisite: admission to the Special Education program or Early Childhood Special Education program.*

Focuses on the foundational principles of applied behavior analysis. Emphasis will be placed on the development of positive behavior support plans that proactively assist students with challenging behavior in applied and/or school settings. May be taught concurrently with SPE 515. Cannot receive credit for both SPE 616 and SPE 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 617 Direct Instruction in Reading and Language Arts**

*Prerequisite: SPE 310 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792.*

Empirically based instructional practices with emphasis on systematic development of reading and written language skills to support learners with special needs will be applied in a school setting. Students will also gain knowledge of varied theoretical perspectives and instructional approaches including validated behavioral and cognitive based methods that support diverse learners. The content of the course will include activities to support determination of present level of performance and placement in special and general education curricula per IDEA and other Federal mandates. May be taught concurrently with SPE 517. Cannot receive credit for both SPE 517 and SPE 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 618 Application of Applied Behavior Analysis and Interventions in Applied Settings**

*Prerequisite: SPE 616.*

Focuses on the application of applied behavior analysis principles within school-based settings. Students will complete functional analysis/assessment on children and youth with disabilities and employ science based instruction strategies in school settings. May be taught concurrently with SPE 516. Cannot receive credit for both SPE 516 and SPE 618.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**SPE 619 Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners**

*Prerequisite: SPE 310 and SPE 320 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792; and SPE 515 or SPE 616; and admitted to MSED program in Special Education.*

Focuses on the application of theoretical perspectives and research-based methods of teaching students with learning disabilities or emotional and behavior disturbances. Evaluation procedures appropriate to analysis of academic achievement, social behavior, monitoring achievement, and behavioral change will be emphasized along with educational programming that promotes increasing achievement levels, improved social development, and inclusion. This course will incorporate elements of career/vocational education and transition, plus accommodations and best practices for content-area instruction provided to diverse learners in the general education program. May be taught concurrently with SPE 519. Cannot receive credit for both SPE 519 and SPE 619.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 620 Practicum-Teaching Individuals with Learning and Behavioral Disorders**

*Prerequisite: concurrent enrollment in SPE 619; and Teacher Certification students must be admitted to Teacher Education Program.*

Students will apply skills from introductory and specialized courses in settings with students with learning disabilities and behavioral disorders. Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 520. Cannot receive credit for both SPE 520 and SPE 620.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**SPE 621 Methods II: Functional Living Skills and Health Issues**

*Prerequisite: SPE 320 and SPE 322 or SPE 715; SPE 345 or SPE 782; and SPE 346 or SPE 792; and SPE 515 or SPE 616 or concurrent enrollment in SPE 515 or SPE 616; and admitted to MSED Special Education program.*

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., intellectual disabilities, autism, cerebral palsy) who may have associated orthopedic and health impairments (e.g., ADHD and epilepsy). Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation, accommodations, and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 521. Cannot receive credit for both SPE 521 and SPE 621.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 622 Practicum-Instruction of Students with Developmental Disabilities and Other Health Impairments**

*Prerequisite: concurrent enrollment in SPE 621 and Teacher Certification students must be admitted to Teacher Education Program.*

Students will apply skills from introductory and specialized courses in settings with students with developmental disabilities (e.g., mental retardation, autism, Asperger syndrome, cerebral palsy) and orthopedic and health impairments (e.g., ADHD, epilepsy). Students will be involved in individual and small group instruction, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 522. Cannot receive credit for both SPE 522 and SPE 622.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**SPE 623 Curriculum and Methods in Early Childhood Special Education**

*Prerequisite: SPE 310 or SPE 715; and admission to MSEd in Special Education or Elementary Education or Early Childhood Special Education, or MS in Early Childhood and Family Development, or permission of department head.*

Focuses on major aspects in early childhood special education including legislation, litigation, and current issues in the field. Each area of development of young children with disabilities will be a part of the course with particular emphasis on adaptation of materials and curricula to meet the needs of these children. There will also be a focus on families and issues surrounding assessment and eligibility for special education programs. Reflection on current practices and services for young children with disabilities will be included. May be taught concurrently with SPE 523. Cannot receive credit for both SPE 523 and SPE 623.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 625 Introduction to Teaching and Assessing Students with Autism Spectrum Disorders**

*Prerequisite: permission of instructor.*

This course will support individuals across various disciplines who wish to gain knowledge of identification, assessment, and programming for individuals on the Autism Spectrum. Conditions associated with ASD will be examined along with etiology, prevalence, and assessment issues. Students will apply knowledge through review of, and practice with, various norm referenced and informal instruments and rating scales specific to ASD. Emphasis will also be placed on validated programming for ASD. May be taught concurrently with SPE 525. Cannot receive credit for both SPE 525 and SPE 625.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 626 Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders**

*Prerequisite: SPE 515 or SPE 616; and SPE 516 or SPE 618.*

The evolution of science based practices for students with developmental disabilities and autism spectrum disorders are still emerging within the field of education. The purpose of this course is to train teachers and/or care providers to identify science based practices within applied behavior analysis and apply these principles to students with developmental disabilities and autism spectrum disorders within applied settings. This course will focus on the use of operant behavioral techniques with an emphasis on functional analysis and functional communication training. Students will conduct clinical and school-based assessments and interventions with school age children diagnosed with developmental disabilities and autism spectrum disorders. May be taught concurrently with SPE 526. Cannot receive credit for both SPE 526 and SPE 626.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**SPE 627 Seminar in Developmental and Sensory Disabilities**

*Prerequisite: SPE 607 or SPE 625 or equivalent.*

This course is designed to provide practitioners with the knowledge and skills to implement research based practices for individuals with developmental disabilities including autism spectrum disorders (ASD). The course will also address issues specific to sensory integration, visual impairments, and significant cognitive delays. Students will examine in depth, approaches and models validated to support present level of performance needs for individuals with a variety of developmental and sensory requirements. Students will complete lecture hours where theoretical perspectives and the detailed components of various treatments are examined. In a corresponding field component, students will implement an applied project that will address the sensory, communication, learning, and social needs of a client who has been identified with multiple developmental delays. Measurement of outcomes specific to treatment plans will be a significant component of the applied activities. May be taught concurrently with SPE 527. Cannot receive credit for both SPE 527 and SPE 627.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**SPE 650 Career/Vocational Education and Transition**

*Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.*

Legislation and process pertaining to transition services for individuals with disabilities will be emphasized. Students will explore vocational service delivery options and the role of the multidisciplinary team in the development and implementation of appropriate life skill programming across the age span. May be taught concurrently with SPE 550. Cannot receive credit for both SPE 550 and SPE 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 656 Topical Issues in Special Education**

*Prerequisite: permission of instructor.*

To develop understanding and skills in relevant areas of special education. Each offering concerns a single topic. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 5 hours when topics change. Variable Content Course. May be taught concurrently with SPE 556. Cannot receive credit for both SPE 556 and SPE 656.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPE 660 Working with Families of Exceptional Individuals**

Recommended Prerequisite: SPE 715. The relationship between families of children with special needs and various agencies is a central theme of this course. Techniques for working with a variety of families will be explored along with the impact of many ecological factors on families of students with disabilities. May be taught concurrently with SPE 560. Cannot receive credit for both SPE 560 and SPE 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 661 Methods of Teaching Individuals with Behavior Disorders/Emotional Disturbance**

*Prerequisite: concurrent enrollment in SPE 491; and Teacher Certification students must be admitted to Teacher Education Program.*

This course will focus on application of theoretical perspectives and research-based methods of teaching students with emotional and behavior disturbances. Evaluation procedures appropriate to analysis of social behavior and monitoring behavioral change will be emphasized along with educational programming that promotes social development and inclusion. May be taught concurrently with SPE 581. Cannot receive credit for both SPE 581 and SPE 661.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPE 662 Methods of Teaching Individuals with Learning Disabilities**

*Prerequisite: SPE 345 and SPE 346; and concurrent enrollment in SPE 492; and Teacher Certification students must be admitted to Teacher Education Program.*

Students will apply theoretical perspectives and research based methods in the development of diagnostic reports and educational plans for students with Learning Disabilities. Emphasis will be placed on the educator as a collaborator and advocate for provision of services in integrated settings; and on the educator as a specialist in evaluation, curricular accommodation, and modification. May be taught concurrently with SPE 582. Cannot receive credit for both SPE 582 and SPE 662.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 663 Methods of Teaching Individuals with Mental Retardation/Developmental Disabilities**

*Prerequisite: SPE 345 and SPE 346; and concurrent enrollment in SPE 493; and Teacher Certification students must be admitted to Teacher Education Program.*

The course will stress application of theoretical perspectives and research-based methods for individuals with mental retardation and developmental disabilities. Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 583. Cannot receive credit for both SPE 583 and SPE 663.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring, Summer
Projected offerings

**SPE 664 Language Development of Exceptional Students**

*Prerequisite: SPE 345 or SPE 782; and SPE 346 or SPE 792; and admitted to MSED program in Special Education.*

Language development and intervention for exceptional individuals. Language assessment and curriculum development for individuals with disabilities, as well as for individuals who are culturally and ethnically diverse, will be addressed. May be taught concurrently with SPE 584. Cannot receive credit for both SPE 584 and SPE 664.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 667 Introduction to the Education of Students with Behavior Disorders**

*Prerequisite: SPE 310 and Teacher Education students must be admitted to Teacher Education Program.*

Students will acquire knowledge of identification, classification, diagnostic, and educational planning procedures based on the predominant conceptual models. Required for certification as teacher of students with behavior disorders. May be taught concurrently with SPE 587. Cannot receive credit for both SPE 587 and SPE 667.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 670 Approaches in Mainstreaming Exceptional Students**

*Prerequisite: SPE 310 or SPE 340 and Teacher Certification students must be admitted to Teacher Education Program.*

Application of methods for modifying instructional materials and curriculum to help special education and regular classroom teachers meet the demands of mainstreaming. May be taught concurrently with SPE 590. Cannot receive credit for both SPE 590 and SPE 670.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 671 Clinical Practicum in Special Education**

*Prerequisite: permission of instructor.*

This course is open to professionals with teaching certification or students pursuing a minor requiring credit hours in addition to SPE 491, 492, or 493. Students will collect data, develop and implement individual educational programs, and submit an extensive written report. Assignments will be based on area of certification. In addition, this course is utilized for credit hours toward an Internship in Orientation and Mobility and Internship in Visual Impairment. See instructor for specific requirements. May be taught concurrently with SPE 591. Cannot receive credit for both SPE 591 and SPE 671.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPE 709 Methods of Teaching Students with Visual Impairments and Multiple Disabilities**

*Prerequisite: permission of instructor.*

This online course is one of six courses offered to provide prospective teachers of children and youth with visual impairments (including those with multiple disabilities) competency-based training for work with this population in K-12 schools. Provides students with the pedagogical preparation to effectively teach Braille reading and writing, organize activities to promote literacy development, utilize assistive technology (including voice output and other computer based applications), teach compensatory skills and strategies for mathematics, development of listening skills, as well as other instructional adaptations for the curricular areas of language arts, science, and social studies. In addition, the course focuses on the teaching of social skills needed for success in education and employment. Participants will demonstrate the ability to assess, adapt, evaluate and teach academic subjects and specialized curricula for students with visual impairments, including those with multiple disabilities. Note: midterm and final examinations will be proctored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPE 710 Problems in Special Education**

Major issues in the field of special education designed to meet individual student needs. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPE 711 Braille Reading and Writing II**

*Prerequisite: SPE 505 or SPE 605.*

This advanced, online course in Braille reading and writing will focus on competencies in reading and writing literary Braille and the Nemeth Codes for science and mathematics. Participants will also demonstrate the ability to teach basic assistive devices, and to provide instruction in tactile graphics. An introduction to the transcription in Braille code for music and foreign languages will also be presented. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Note: midterm and final examinations will be proctored. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPE 712 Instructional Techniques and Strategies of Orientation and Mobility**

*Prerequisite: SPE 506 or SPE 606; and SPE 508 or SPE 608.*

Provides participants with the techniques and strategies used by individuals who are blind or visually impaired for independent orientation and mobility. Participants will apply the strategies of orientation and mobility techniques while using blindfolds and low vision simulators. The application of skills will be completed in indoor environments as well as residential, business, rural, and commercial areas.

**Credit hours:** 6
**Lecture contact hours:** 6
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SPE 714 Professional Issues and Assessment in Orientation and Mobility with Diverse Populations**

*Prerequisite: SPE 505 or SPE 605; and SPE 506 or SPE 606; and SPE 508 or SPE 608; and SPE 712.*

This online course will provide participants with the overall philosophy of orientation and mobility including: the Code of Ethics and Certification standards. Current literature and issues pertinent to the profession of orientation and mobility will be discussed. This will include issues impacting programming with students with multiple disabilities, the development and administration of an effective orientation and mobility instructional program, assessment procedures, and research approaches. Note: midterm and final examinations will be proctored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 715 Foundations in Special Education**

Focuses on legislation and litigation in the area of Education and Special Education and will include an overview of categorical disabilities including identification, etiology, and prevalence. The integration of individuals with disabilities across educational and community settings will be stressed along with an overview of programming validated to support specialized populations including those with disabilities and cultural and linguistic differences. In addition, the course will focus on strategies to support individuals identified as gifted as well as individuals identified at risk for school failure.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**SPE 717 Methods of Teaching Mathematics to Exceptional Individuals**

*Prerequisite: SPE 310 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792; and admission to graduate program in Special Education.*

The focus of the course will include accommodating individual differences and diversifying instruction in the area of mathematics. Students will develop performance based assessment procedures, conduct error analyses, and apply mathematics skills in program planning for the diverse learner. Cannot receive credit for both SPE 450 and SPE 717.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 730 Health, Functional, and Psychosocial Aspects of Disability**

*Prerequisite: permission of instructor.*

This course presents an interdisciplinary approach to the study of disability in education and rehabilitation. It includes information on disabilities such as traumatic brain injury, orthopedic, neuromuscular, sensory, learning, cardiovascular, psychiatric, and other selected disabilities and health conditions, including multiple disabilities. Emphasis is placed upon the characteristics of disabilities and resulting functional effects on persons with additional emphasis on the effects of multiple disabilities. This course also provides an understanding of the psychosocial and environmental factors that impact the integration into society by individuals with disabilities. It examines the philosophy of rehabilitation, major classifications and paradigms, common stereotypes, personal and societal attitudes and measurement, theories of adjustment, psychosocial losses, issues relating to sexuality, personal adjustment training, the role of the family, and the use of effective interaction skills. This course is offered online.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SPE 733 Methods of Teaching Independent Living Skills to Persons with Blindness or Low Vision**

*Prerequisite: permission of instructor.*

Introduction to methodologies, concepts, and techniques to teach persons with blindness or low vision the skills and knowledge needed to function independently in diverse settings. This course provides learners with instruction and laboratory practice in methodologies for teaching skills for independent living, including areas within the expanded core curriculum. Topics include: concept and motor development, spatial organization and orientation, personal management, home management, medical management, communication, and recreation and leisure.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SPE 740 Verbal Behavior**

*Prerequisite: SPE 515 or SPE 616; SPE 516 or SPE 618; SPE 625; and SPE 627.*

This is a graduate seminar on the analysis of verbal behavior of the speaker, and the variables affecting it. Critiques of the approach and rebuttals to critiques will also be discussed. Contemporary research and clinical implications driven by the approach will be reviewed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SPE 750 Practicum-Visual Impairment**

*Prerequisite: SPE 605 and SPE 606 and SPE 607 and SPE 608 and SPE 709 and SPE 711; and permission of instructor.*

This course serves as a supervised internship working with children with blindness or low vision, under the direction of a cooperating Teacher of Children with Visual Impairments and University Supervisor. Students observe, teach, and participate in professional activities in teaching children with blindness or low vision. Students work with individuals or groups during which they are provided the opportunity to apply principles and methods of teaching children with visual impairments and additional disabilities, including behavior management, instructional planning, and evaluation. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**SPE 760 Internship-Orientation and Mobility**

*Prerequisite: SPE 606 and SPE 608 and SPE 712 and SPE 714 or concurrent enrollment in SPE 714; and admitted to the Special Education/Orientation and Mobility program; and permission of instructor.*

This course requires a supervised internship experience in an organization or school that serves individuals with blindness or low vision, during which the opportunity is provided for practical application of principles and methods of instruction in orientation and mobility; including techniques of safe, and independent travel. Completion of 350 hours of supervised fieldwork by a certified orientation and mobility specialist (COMS). Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**SPE 779 Application of Technology in Special Education**

*Prerequisite: admission to the graduate program in Special Education or Early Childhood Special Education.*

This course is designed to provide teachers with an in depth treatment of the research, theory, and application of computers and related technologies in the instruction of children and adults with learning, behavior, sensory, motor and communication disabilities. Students will incorporate the principles of reflective practice as it pertains to the assessment, selection of devices, and evaluation of assistive technologies for individuals with disabilities. The General Learning Outcomes 5, 9, and 10 presented in the Conceptual Framework of the Educator Preparation Provider (EPP) are the over arching tenets which guided the development and ongoing revisions to this course. Students acquire competencies related to the use of assistive devices and emerging technologies through participation in a 60 hour comprehensive field based experience in conjunction with schools and other agencies which serve individuals with disabilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SPE 780 Impact of Contemporary Issues and Diversity in Special Education**

*Prerequisite: permission of instructor.*

Analysis of trends, issues, and research in the field of special education will be reviewed and discussed. A comprehensive overview of local, state, and federal legislation and the impact on our public school special educational programs for children with disabilities will be discussed and analyzed. A focus on diversity aspects involved in contemporary issues in special education and disability services will be addressed across all topics. Historical and current litigation involving children with disabilities will be reviewed and discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**SPE 781 Educational Consultation**

*Prerequisite: admission to the graduate program in Special Education.*

Seeks to develop students' skills in collaboration consultation. Emphasis will be placed on the development of innovative service delivery options, personnel training, and development of communication skills. Students will apply theory to practice in a field experience.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**SPE 782 Advanced Diagnosis and Remediation of Students with Mild to Moderate Disabilities**

*Prerequisite: admission to the graduate program in Special Education or Early Childhood Special Education.*

Students will observe and participate in a variety of assessment and multidisciplinary team activities. Development of leadership skills will be stressed through participation in clinical field experiences involving standardized and performance evaluation of students with learning disabilities, analysis and synthesis of assessment data in clinical staffings, and development of educational programs. Students enrolled in this course should have prior knowledge of assessment including administration, scoring, and interpretation.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**SPE 783 Advanced Assessment to Support Individuals with Developmental and Sensory Disabilities**

*Prerequisite: permission of instructor.*

Students will observe and participate in a variety of assessment and multidisciplinary team activities. Development of leadership skills will be stressed through participation in field experiences involving norm referenced and curriculum based evaluation of individuals with various sensory and developmental disabilities. Analysis and synthesis of assessment data in clinical staffings and development of individual educational plans will be required. Students enrolled in this course should have prior knowledge of assessment including administration, scoring, and interpretation. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**SPE 784 Advanced Procedures in Teaching Students with Mild to Moderate Disabilities**

*Prerequisite: SPE 780 and SPE 782 and SPE 792; and SPE 616 or PSY 614.*

Recommended Prerequisite: SPE 517 or SPE 617. The primary purpose of the course is to provide students with the knowledge and skills necessary for development and application of curricula appropriate to the needs of individuals with mild to moderate disabilities. Emphasis will be placed on the philosophical basis of curricula as well as principles of curricula design. Students will apply knowledge and skills in 60 hours of required field experiences.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**SPE 785 Advanced Procedures in Development Disabilities**

*Prerequisite: admission to the graduate program in Special Education; and SPE 783.*

The primary purpose of the course is to provide students with the knowledge and skills necessary for development and application of curricula and methods appropriate to the needs of individuals with mental retardation and other developmental disabilities. Emphasis will be placed on the empirical basis of the procedures and on life referenced programming. Students will apply knowledge and skills in field based activities supervised by the instructor.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**SPE 787 Advanced Behavioral Analysis and Intervention**

*Prerequisite: admission to the graduate program in Special Education; and SPE 780 and SPE 782 and SPE 792; and SPE 784 or SPE 785; and SFR 780.*

Study of human behavior. The goal of applied behavior analysis is to seek understanding and improvement of human behavior. The goals of this class is to prepare graduate students to be contributing professionals in the area of applied behavior analysis; specifically, to become reflective behaviorists. Students will learn to identify, measure, and record the occurrence and nonoccurrence of behavior. Students will be expected to implement applied behavioral strategies and learn how to evaluate the success of single-subject studies as part of a 60 hour field experience.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SPE 788 Research Seminar in Special Education**

*Prerequisite: admission to the graduate program in Special Education; and SPE 780; and SPE 782 or SPE 783; and SPE 784 or SPE 785; and SFR 780.*

An in-depth study of a chosen topic in special education leading to the guided development and completion of an extensive research paper or major creative work. Graduate students are expected to complete a 60 hour field experience associated with the summer project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SPE 789 Practicum-The Exceptional Child**

*Prerequisite: permission of instructor.*

Student observes, teaches, and/or participates in professional activities in Special Education under the direction of a cooperating supervisor and University supervisor. Students will work with individuals or groups demonstrating effective teaching and behavior management techniques, as well as expertise in instructional planning and evaluation. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Summer
Projected offerings

**SPE 790 Educational Workshop**

Workshop to upgrade understandings and skills concerned with the improvement of elementary or secondary teaching procedures, curriculum, supervision, administration or guidance. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. May be repeated to a maximum of 5 hours. 30 clock hours equal 1 semester hour.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SPE 791 Clinical Practicum for Special Needs Populations**

*Prerequisite: SPE 525 or SPE 625, and SPE 516 or SPE 618, and SPE 783 or concurrent enrollment; and permission of instructor.*

This course will involve experience in a supervised, clinical setting with individuals diagnosed with autism and various disabilities. Emphasis will be placed on autism and challenging behaviors. Students will conduct assessment specific to their credentials and training to include learning assessment, autism specific instruments, and social and behavioral assessments. Emphasis will be placed on conducting functional behavioral assessment and utilizing data across domains to develop research based programs. Students will participate in a multidisciplinary assessment model to include families and professionals from a variety of disciplines. Preparation and submission of reports that are research based and that are of a high professional quality will be a required course outcome. Supplemental course fee.

**Credit hours:** 1-6
**Lecture contact hours:** 0
**Lab contact hours:** 12

**Typically offered:** Upon demand
Projected offerings

**SPE 792 Advanced Diagnosis and Remediation of Students with Disabilities Lab**

*Prerequisite: admission to the graduate program in Special Education or Early Childhood Special Education; and concurrent enrollment with SPE 782 or SPE 783.*

Students will conduct standardized and informal assessments in the field as part of a 60 hour practicum/lab experience and develop a comprehensive case history. Emphasis will be placed on development of validated educational programs. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**SPE 799 Thesis**

*Prerequisite: admission to the graduate program in Special Education or Applied Behavior Analysis; and SFR 780 and SPE 780 and SPE 787 and SPE 789; and SPE 782 or SPE 783; and SPE 784 or SPE 785.*

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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Megan Boyle, PhD

Robert P. Maddox, PhD

Taryne M. Mingo, PhD

Maia N. Moore, PhD

Denita S. Sisco, EdD

Jon S. Turner, EdD

Ximena Uribe-Zarain, PhD

Billy D. Rippee, EdD

Leonila P. Rivera, EdD

Hugh L. Strawn, PhD

Robert L. Watson, EdD

Sandra K. Wegner, EdD

Scott B. Wegner, EdD

Gary E. Wilson, PhD

# Special Education/Cross Categorical

### Special Education/Cross Categorical

Bachelor of Science in Education (Certifiable grades K-12)
The curriculum for special education teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (IPC) to teach in the state of Missouri. Recipients of this special education certificate may be employed to teach in grades K-12 in Cross Categorical settings and other mild/moderate special education settings.

#### Admission and Retention Requirements

The Department of Counseling, Leadership, and Special Education reserves the right to refuse enrollment or program continuation to any student for whom the special education faculty feel does not possess the ability to successfully complete the required classes and/or required practica.

All special education undergraduate students and postbaccalaureate students seeking special education certification are expected to display professional behaviors and dispositions consistent with the National Council for Exceptional Children's Code of Ethics for Educators of Persons with Exceptionalities. Periodic structured assessments of professional behaviors and dispositions will be completed on all students during selected classes and will also be completed in additional classes on an as needed basis. If a student does not display the required professional behaviors and dispositions as determined by the special education faculty and the Department Head of Counseling, Leadership, and Special Education, the student may be dismissed from the program or may be prevented from taking additional special education certification classes.

#### Degree Requirements

In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements are a combination of Missouri State and transfer grades.

1. a combined (Missouri State and transfer) GPA of 2.75 or higher
2. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses listed under B and C
3. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses listed under C; and a grade of "C" or higher in all courses listed under C

Additionally, students must earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education Program for application procedures.

#### Program Requirements

A. General Education Program and Requirements (46-48 hours)
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

1. Focus on Written Communication and Information Literacy: ENG 110(3)
2. Focus on Written Communication and Integrative and Applied Learning: ENG 210(3)
3. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended.
4. Focus on Oral Communication: COM 115(3)
5. Focus on Life Sciences: BIO 100(4)
6. Focus on Physical Sciences: PHY 101(4)
7. Focus on Social and Behavioral Sciences: ECO 155(3) and PSY 121(3)
8. Focus on Humanities and the Focus on the Arts must include two (2) different course codes to meet state certification requirements. ART 200 or MUS 241 recommended.
9. Focus on Constitution of U.S. and Missouri and American History and Institutions: HST 121(3) or HST 122(3); and PLS 101(3)
10. Focus on Cultural Competence: GRY 100(3) Teacher certification requirement.

B. Degree Requirements for Teacher Certification (9 hours):

1. Mathematics: MTH 320(3)
2. English: ENG 334(3)
3. Geography: GRY 100(3) Note: may also count toward General Education Focus on Cultural Competence.

C. Professional Education (81 hours): Note: A grade of "C" or better in each course is required for program approval of coursework toward degree and certification.

1. Foundations of Teaching: EDC 345(3); PSY 360(3); SPE 310(3), 320(3), 345(4), 346(2), 525(3)
2. Teaching Methods: EDT 365(3); KIN 545(3); RDG 318(3), 420(3), 421(2); SPE 450(3), 515(3), 516(3), 517(3), 519(3), 521(3), 550(3), 560(3), 579(3), 584(2)
3. Clinical Experiences: SPE 322(1), 497(4), 495(9), 496(3)

D. Public Affairs Capstone Experience will be fulfilled by completion of SPE 495(9).

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

F. General Baccalaureate Degree Requirements

## Accelerated graduate program in Special Education/Autism Spectrum Disorders

Eligible Missouri State undergraduate students may apply for admission to the Special Education/Autism Spectrum Disorders program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Early Childhood Special Education

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood Special Education program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the

undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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# Greenwood Laboratory School

## General Information

Greenwood Laboratory School was founded in 1908 to provide a comprehensive education program to students from kindergarten through senior level while also providing University students with opportunities and experiences to develop strong teaching skills. Visit the Greenwood Laboratory School website for more information.

## Contact

**Director**

Janice R. Duncan, PhD

**Office**

Greenwood Laboratory School, Room 4

**Phone**

417-836-5124

**Fax**

417-836-8449

**Email**

Greenwood@missouristate.edu

**Website**

education.missouristate.edu/greenwood/

# Greenwood Laboratory School Faculty

## Associate professor

Janice R. Duncan, PhD

## Assistant professors

Vicki L. Dunlop, MEd

Kathryn M. Gibson, MA

## Instructors

Susan L. Baldwin, MEd

Tara Bonebrake, MAT

Marilyn A. Broaddus, MEd

Abby R. Burch, MEd

Rebecca J. Crowder, MSEd

Cory A. Fearing, MSEd

Janelle A. Flanders, MEd

Kristy L. Gilmore, MS

Melinda M. Hammerschmidt, MSE

Kent O. Hedgpeth, MEd

Jennifer B. Hopkins, MS

Loretta L. Jean-Charles, MS

Heather N. Lewis, MEd

Jill R. Martin, MSEd

Timothy M. Pfeil, MAT

Duany C. Ramos, BSEd

Shelby M. Setzer, MA

Victoria L. Sutton, EdS

Darren S. Taylor, MS

## Emeritus faculty

Charles R. Baird, MA

M. Pauline Barker, MEd, MA

Connie J. Claybough, MSEd

Candace D. Fisk, MA

Doris J. Grevillius, MS

James F. Jester, EdD

Cheryl K. Johnson, MS

Ruth Ann Johnson, MEd

Ruth C. Peñaherrera-Norton, MEd

Phyllis R. Shoemaker, MEd

Delmar D. Wipf, MS

# Department of Reading, Foundations, and Technology

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Middle School Education (BSEd)+

Literacy (Minor)

### Graduate

Educational Technology (MSEd)

Educational Technology (Certificate)

Literacy (MSEd)+

Literacy (Certificate)

Teacher Leadership (EdS)

Teacher Leadership (Certificate)

Teaching, Master of Arts in (MAT)

Teaching and Learning, Master of Arts in (MATL)

Teaching and Learning (Certificate)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Middle School Education (BSEd); Literacy (MSEd); Master of Arts in Teaching (MAT)
- Council for the Accreditation of Educator Preparation – Middle School Education (BSEd); Educational Technology (MSEd); Literacy (MSEd); Master of Arts in Teaching

## Contact

**Interim department head**

Emmett E. Sawyer, EdD

**Office**

(MAT); Master of Arts in Teaching and Learning (MATL); Teacher Leadership (EdS)

Glen Isle Center, Room 137

**Phone**

417-836-6769

**Fax**

417-836-6252

**Email**

RFT@missouristate.edu

**Website**

education.missouristate.edu/rft

# Reading, Foundations, and Technology Faculty

## Professors

J. Deanne Camp, EdD

David L. Hough, PhD

Beth Hurst, PhD

Steven P. Jones, PhD

Sarah B. Nixon, PhD

Cathy J. Pearman, PhD

## Associate professors

Ching-Wen Chang, PhD

David R. Goodwin, PhD

Steven W. Hinch, PhD

Rebecca Swearingen, EdD

## Assistant professors

Pamela Correll, EdD

Alex Jean-Charles, PhD

Kayla D. Lewis, MSEd

Tuesda S. Roberts, PhD

Kimberly J. Stormer, PhD

## Instructors

Annice H. McLean, MSEd

V. Jane Ward, EdS

## Emeritus faculty

L. Dale Allee, PhD

Donna A. Bearsley, PhD

Stefan J. Broidy, PhD

N. June Brown, EdD

J. Wordy Buckner, EdD

Genevieve R. Cramer, PhD

Fred H. Groves, PhD

Dennis Kear, PhD

Everett R. Payne Jr., MA

Randall R. Wallace, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Reading, Foundations, and Technology Courses

## Education (EDC) courses

**EDC 150 Introduction to Teaching**

This course is recommended for all students considering or planning for a teaching career. The course is required for admission to some teacher education programs (see individual program requirements in catalog). An introduction to the teaching profession including an introduction to the Teacher Education Program at MSU, teaching standards and assessments, current reforms to the teaching profession, and other helpful information. May be taken concurrently with SEC 302, ELE 302 or SPE 310 provided all respective prerequisites are met. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EDC 199 Clinical Experiences in Teaching**

*Prerequisite: approved application to earn academic credit for two (2) years experience as a Teacher's Aide/Assistant, as permitted by DESE Rule 5 CSR 80-805.040; previous or concurrent enrollment in professional education coursework; and permission of instructor.*

Conducted teaching activities by students during aiding/assisting experiences, under the direction of the cooperating teacher and permission of a designated school principal, are verified as comparable to and demonstrating similar competencies of those expected by conventional student teachers. Students also participate in professional development activities, determined to be appropriate by the instructor. This course is credited only on BSEd or appropriate masters-level certification programs.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**EDC 249 Schooling in America**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

Examines the nature and history of schooling in America, the broad social purposes and goals of education, and the crucial role the institution of schooling has and does play in the United States and Missouri with regard to shifting public policy as well as state and federal laws and mandates. Explores social, legal, and political issues as they play out in schools with regard to diversity, racism, sexism, and the effects of social class.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**EDC 345 Introduction to Multicultural Education and Diversity**

An introduction to cultural issues, diversity, and related perspectives in education. Examination of individual differences in ethnicity, race, socioeconomic status, gender, exceptionalities, language, religion, sexual orientation, and geographic area in the context of education and society. Development of skills, knowledge, and dispositions related to teaching and learning in varied settings with diverse learners required of all educators to be effective in a global society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**EDC 350 School and Society**

*Prerequisite: admitted to Teacher Education Program; PSY 385 or CFD 257 (Elementary Education program); or CFD 160 (Early Childhood Education program); or PSY 360 (Secondary, Middle School, and K-12 programs); or concurrent enrollment.*

This class examines the nature and history of schooling in America and the teaching profession, the purposes and goals of education, and educational philosophy. It also explores social, legal, and political issues connected with teaching and learning, diversity, racism, sexism, and the effects of social class on educational success.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EDC 700 Teaching and Learning I: Current Issues and Trends in Education**

*Prerequisite: bachelor's degree and certification as a classroom teacher.*

This course examines educational issues, questions, concerns, and trends teachers face in their schools and daily practices. The impact of national and state policy-making, directions suggested by emerging educational research, and current educational reform efforts will receive particular attention.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**EDC 701 Teaching and Learning II: Diversity, Curriculum and Research**

*Prerequisite: EDC 700; bachelor's degree and certification as a classroom teacher.*

This course engages students with research projects and curriculum ideas designed to strengthen and deepen student learning, with a special emphasis on questions of student diversity. The course helps students to formulate questions and use appropriate research principles to collect, analyze, interpret, and report data in order to evaluate the effectiveness of classroom instruction and educational policies. Students examine different curriculum models and theories and devise instructional practices to meet the needs of all learners.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**EDC 702 Teaching and Learning III: Management and Assessment of Learning**

*Prerequisite: EDC 700 and EDC 701; bachelor's degree and certification as a classroom teacher.*

This course examines the reasons for, benefits of, and limitations of the increasing call for effective and comprehensive assessment practices and helps teachers plan for, construct, use, and analyze a variety of assessment practices. This course also examines various models of and approaches to classroom management and discipline and the relation of management practices to effective learning.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**EDC 703 Teaching and Learning IV: Curriculum Development**

*Prerequisite: EDC 700 and EDC 701 and EDC 702; bachelor's degree and certification as a classroom teacher.*

This course engages students in a careful examination of the curriculum they teach, from district curriculum goals, national curriculum standards, and course- or grade-level goals. The course encourages reflection about instructional practices in light of curriculum goals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EDC 704 Teaching and Learning V: Research Seminar**

*Prerequisite: EDC 700 and EDC 701 and EDC 702 and EDC 703; bachelor's degree and certification as a classroom teacher.*

An in-depth study related to a research topic identified earlier in the program or curricular project begun as part of a learning team, leading to the guided development and completion of an extensive research paper.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EDC 786 Research Seminar in Education**

*Prerequisite: SFR 780.*

An in-depth study of chosen topic in K-12 education leading to the guided development and completion of an extensive research paper or major creative work.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**EDC 800 Teacher Leadership I: Contemporary Educational Problems**

*Prerequisite: bachelor's degree and certification as a classroom teacher; master's degree in an education related field.*

This blended (online and face-to-face) course examines current educational problems at the macro-social level and how current trends in education ease or exacerbate those problems. These problems include, but are not limited to, the achievement gap, charter schools, socio-economics, homelessness, school funding, race/gender, community-school relationships, the social impact of technology, public school funding, the state of democracy, and so forth.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**EDC 801 Teacher Leadership II: Diversity and Curricular Design**

*Prerequisite: EDC 800; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.*

This blended (online and face-to-face) course examines diversity and our shrinking global relationships through the lens of various theoretical perspectives (feminist, critical race theory, queer theory, etc.) as the means to critique current curriculum models and construct more culturally response curriculum for 21st century students. Participants will lead in the creation of curriculum that is responsive to their particular students, has a global perspective, and is mindful of ability differences

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**EDC 802 Teacher Leadership III: Building Classroom Climate and Effective Student Assessments**

*Prerequisite: EDC 800 and EDC 801; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.*

This blended (online and face-to-face) course examines various philosophical bases for creating successful classroom communities and reasonable strategies for assessment student growth. This course also examines the myriad ways that classroom community understandings impact why and how students might be assessed.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**EDC 803 Teacher Leadership IV: Curriculum Theory**

*Prerequisite: EDC 800 and EDC 801 and EDC 802; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.*

This blended (online and face-to-face) course engages students in a critical examination of curriculum theory as the basis for making curricular decisions. The course encourages reflection about curriculum goals in light of contemporary and historically understood curriculum theory.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

## Educational Technology (EDT) courses

**EDT 365 Educational Applications of Technology and Media**

*Prerequisite: CFD 260 or ELE 302 or SEC 302 or SPE 310, or concurrent enrollment for teacher education majors.*

Principles and techniques for selection and utilization of computer and video as well as other basic forms of media and technology. The class combines research, instructional design, equipment operation and materials production in lecture and laboratory settings to prepare teachers to be reflective decision makers on proper methods of using technology in teaching.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EDT 520 Technologies in a Contemporary School Setting**

*Prerequisite: EDT 365; and concurrent enrollment in ELE 500 if Elementary Education major.*

Principles and techniques for integrating current and emerging instructional technology in school settings. Emphasis on building technical competence through inquiry-based methods of exploration and implementation of multi-media and other technologies relevant to today's classroom.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EDT 530 Technology Systems Management and Maintenance**

This course will include an introduction to computer and peripheral hardware, microcomputer operating systems and education-related software packages, and the management of computers in a classroom or school setting. The management and maintenance of a system of computers is useful in many educational, instructional, communication and media production settings. Educational technology students should be prepared to troubleshoot and resolve basic technology problems that occur in an educational setting. Therefore, a variety of education-specific topics will be presented in this course. May be taught concurrently with EDT 630. Cannot receive credit for both EDT 530 and EDT 630.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EDT 560 Digital-Age Learning Environments**

This online course covers uses of instructional systems design model to guide the student in systematically developing e-learning instruction. The theory and practice of e-learning environments to maximize learning for all including usability and accessibility concerns are examined. Practical and theoretical means for ascertaining the needs of learners, implementations of specific technologies to meet those needs, and assessment of the effectiveness of the e-learning environment in meeting learners' needs are presented. Students are expected to apply previously learned skills and knowledge including the principles and techniques for integrating current and emerging instructional technology to plan, create, and manage an e-learning project in a real-world context. May be taught concurrently with EDT 660. Cannot receive credit for both EDT 560 and EDT 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EDT 562 Educational Applications of Computers for Teaching**

Using microcomputers in educational settings. Includes the investigation of software in desktop publishing, record management and multimedia applications. Special emphasis will be given to selection of appropriate programs for specific classroom utilization as well as computer interfaced peripheral devices. May be taught concurrently with EDT 662. Cannot receive credit for both EDT 562 and EDT 662.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**EDT 563 Technology Administration and Management**

Provides technology specialists, technology coordinators, library media specialists, school administrators and educators with a working knowledge of the administrative processes and concerns of operating an educational technology support facility. The primary focus will be toward leadership, strategic planning, and change management and writing technology plans. The content of this course is primarily structured for educational institutions but could be utilized for instructional and training systems in many types of industrial, religious, medical and corporate organizations that teach and train. May be taught concurrently with EDT 640. Cannot receive credit for both EDT 563 and EDT 640.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDT 565 Selection and Utilization of Educational Technology**

Targets principles of attention, perception, and retention regarding selection and implementation of instructional strategies. Students apply instructional design principles and learning theories to develop professional products; develop and implement evaluation strategies for hypermedia materials; combine electronic and non-electronic media; use telecommunications tools for production purposes; and integrate a variety of instructional technology tools. May be taught concurrently with EDT 650. Cannot receive credit for both EDT 565 and EDT 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EDT 597 Topical Issues in Educational Technology**

A variable credit course with amount of credit based on the extent of the work required. Special topics related to the field of Educational Technology which may broaden the scope of the program of study. May be repeated up to a maximum of 6 hours. May be taught concurrently with EDT 690. Cannot receive credit for both EDT 597 and EDT 690.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EDT 630 Technology Systems Management and Maintenance**

This course will include an introduction to computer and peripheral hardware, microcomputer operating systems and education-related software packages, and the management of computers in a classroom or school setting. The management and maintenance of a system of computers is useful in many educational, instructional, communication and media production settings. Educational technology students should be prepared to troubleshoot and resolve basic technology problems that occur in an educational setting. Therefore, a variety of education-specific topics will be presented in this course. May be taught concurrently with EDT 530. Cannot receive credit for both EDT 630 and EDT 530.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EDT 640 Technology Administration and Management**

This course is designed to provide technology specialists, technology coordinators, library media specialists, school administrators and educators with a working knowledge of the administrative processes and concerns of operating an educational technology support facility. The primary focus will be toward leadership, strategic planning, and change management and writing technology plans. The content of this course is primarily structured for educational institutions but could be utilized for instructional and training systems in many types of industrial, religious, medical and corporate organizations that teach and train. May be taught concurrently with EDT 563. Cannot receive credit for both EDT 640 and EDT 563.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDT 650 Selection and Utilization of Educational Technology**

Targets principles of attention, perception, and retention regarding selection and implementation of instructional strategies. Students apply instructional design principles and learning theories to develop professional products; develop and implement evaluation strategies for hypermedia materials; combine electronic and non-electronic media; use telecommunications tools for production purposes; and integrate a variety of instructional technology tools. May be taught concurrently with EDT 565. Cannot receive credit for both EDT 650 and EDT 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EDT 660 Digital-Age Learning Environments**

This online course covers uses of instructional systems design model to guide the student in systematically developing e-learning instruction. The theory and practice of e-learning environments to maximize learning for all including usability and accessibility concerns are examined. Practical and theoretical means for ascertaining the needs of learners, implementations of specific technologies to meet those needs, and assessment of the effectiveness of the e-learning environment in meeting learners' needs are presented. Students are expected to apply previously learned skills and knowledge including the principles and techniques for integrating current and emerging instructional technology to plan, create, and manage an e-learning project in a real-world context. May be taught concurrently with EDT 560. Cannot receive credit for both EDT 660 and EDT 560.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**EDT 662 Educational Applications of Computers for Teaching**

Using microcomputers in educational settings. Includes the investigation of software in desktop publishing, record management and multimedia applications. Special emphasis will be given to selection of appropriate programs for specific classroom utilization as well as computer interfaced peripheral devices. May be taught concurrently with EDT 562. Cannot receive credit for both EDT 662 and EDT 562.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**EDT 670 Fundamentals of Computer Networking, Cloud Based Technology, and Internet Safety**

This introductory graduate course will provide a foundational understanding of networking, cloud based storage, and internet safety. Learners in this course will gain an understanding of office and business networking, using the cloud for storage and safety, and types of internet attacks that they may face. Students will learn how to evaluate the needs of their organization and come to terms with the vulnerabilities or breaches they could face when implementing new technologies and explore ways to protect their organizations online.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**EDT 690 Topical Issues in Educational Technology**

A variable credit course with amount of credit based on the extent of the work required. Special topics related to the field of Educational Technology which may broaden the scope of the program of study. May be repeated up to a maximum of 6 hours. May be taught concurrently with EDT 597. Cannot receive credit for both EDT 690 and EDT 597.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EDT 696 Continuing Education in Educational Technology**

Special topics related to Educational Technology for continuing professional development. A variable credit course with amount of credit based on the extent of work required. May be repeated to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EDT 763 Administration of Educational Technology**

Emphasis is placed on management skills including budgeting; facility design; policies and procedures; selection and utilization; evaluation; assessment and other topics related to coordinating an educational technology program at a building, district, institutional or organizational level.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**EDT 764 Instructional Design**

Emphasis on the analysis and development of instruction for large group, small group, and individual student instruction. The utilization of systems approaches and packaged instructional forms will be stressed. The course will integrate systems approaches with learning theory involving educational technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**EDT 765 Educational Media Production**

Principles and techniques of designing and producing advanced forms of media software materials in video, audio, and photography formats with emphasis on multi-media that includes computer generated graphics interfaced with video and audio editing as well as more basic production techniques.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**EDT 767 Educational Technology Practicum**

This is a field-experience based course that requires the student to spend a minimum of 20 clock hours in a working environment where educational media technology services and programs are used or developed. The practicum may include: school media services: university programs, development centers in industry, government or medical programs, educational TV studios, computer facilities or other media production venues.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**EDT 777 Problems in Educational Technology**

Research in or in-depth examination of issues and problems in the field of Educational Technology. May be repeated up to a maximum of 3 hours when topic varies.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EDT 797 Educational Technology Special Research Project**

*Prerequisite: SFR 780.*

An extensive multimedia production project which results in a functional product with extensive written documentation to support its use as a research or instructional tool which could provide results for extended research and publication.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**EDT 798 Research Seminar in Educational Technology**

*Prerequisite: SFR 780.*

An extensive research paper focused on the field of instructional Design and Technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**EDT 799 Educational Technology Thesis**

*Prerequisite: SFR 780.*

Independent research and study connected with preparation of a thesis in the field of Educational Technology. The paper will consist of original or creative research accountable to committee review and defense. May be repeated for a maximum of 6 hours credit.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Middle School Education (MID) courses

**MID 400 Philosophy, Curriculum, and Organization of Middle School Education**

*Prerequisite: admitted to Teacher Education Program.*

An overview of middle level education philosophy, curriculum planning and development, instruction, and organization. Emphasis is on cognitive, behavioral, and affective needs of middle level students, and on the development of interdisciplinary thematic units.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MID 421 Philosophy and Organization of Middle School Education**

*Prerequisite: admitted to Teacher Education Program.*

An overview of the philosophy, organization and curriculum of the middle school with emphasis upon teaching methods appropriate for use with students in late childhood and early adolescence. Strategies for advisory, study skills, and transition programs.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MID 425 Middle School Curriculum**

*Prerequisite: MID 421 or concurrent enrollment; and admitted to Teacher Education Program.*

Foundations in the development and articulation of middle school curriculum, with emphasis on the development of interdisciplinary thematic units and lessons relevant to the young adolescent learner. Integrated approaches to teaching and learning designed, implemented, and evaluated as part of a teaching team. Alternative assessments, including performance-based portfolios.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**MID 439 Middle School Instructional Strategies**

*Prerequisite: MID 400; and admitted to Teacher Education Program.*

Students will be assigned to site-based middle school teaching teams at Greenwood Laboratory School and/or area middle schools and will attend weekly seminars. Instructional methods and techniques appropriate for middle school learners will be studied including: teaching subject area classes in the core curriculum and strategies for teaching exploratory and advisory classes. Includes exploration of current issues, research, and innovative approaches to teaching at-risk youth and those with diverse backgrounds.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MID 493 Supervised Teaching (Middle School)**

*Prerequisite: MID 400 or MID 425; and MID 439 and RDG 318 and RDG 474; and all method courses in chosen content areas; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in MID 494.*

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in extra-curricular, co-curricular, and exploratory activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA or in the subject matter emphasis area. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MID 494 Supervised Teaching (Middle School)**

*Prerequisite: concurrent enrollment in MID 493.*

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in extra-curricular, co-curricular, and exploratory activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA or in the subject matter emphasis area. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MID 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MID 725 Advanced Theory and Practice in the Teaching of Early Adolescents**

Materials, methods, and procedures for designing developmentally appropriate learning experiences for early adolescents; current trends and issues in the field.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MID 810 The Middle School-The Junior High School**

An examination of educational programs most appropriate for students in late childhood and early adolescence with emphasis upon the philosophy, curriculum, instruction, and organization of middle schools and junior high schools.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

## Reading (RDG) courses

**RDG 107 Critical Reading and Study Skills in Academic Texts**

Introduction to college reading designed to help students acquire and improve critical reading comprehension skills of academic texts necessary for college-level coursework. Provides intensive reading instruction in comprehension, vocabulary development, reading rate, reading efficiency techniques, and reading study strategies. Cannot be used to satisfy any General Education Program requirement or any major or minor requirement. Cannot receive credit for both RDG 107 and IDS 118.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RDG 300 Service Learning in Literacy**

*Prerequisite: 30 hours and concurrent registration in a RDG course designated as a service learning offering and admitted to Teacher Education Program.*

This service component for an existing course incorporates community service with classroom instruction in literacy to provide an integrated learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. Cannot be substituted for RDG 421 or any other required practicum. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**RDG 318 Foundations of Literacy Instruction**

*Prerequisite: ELE 302 or SPE 310 or SEC 302 with grade of "C" or better.*

An initial course in literacy foundations and methods from emergent literacy through middle school/junior high school. Examines various approaches of current literacy instruction and practices, including the basic components of literacy and applications to content areas. Creates a literate environment that fosters reading and writing by integrating foundational knowledge. Emphasizes contemporary classrooms, which are assumed to contain children of diverse cultures and abilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**RDG 319 Practicum-Foundations of Literacy Instruction**

*Prerequisite: admitted to Teacher Education Program and current pre-professional liability insurance.*

Practical application of developmental, functional, and recreational literacy instructional practices from emergent literacy through middle school/junior high school by the assignment of students to practicum centers where they will be required to observe, prepare, teach, and analyze literacy lessons. Family Care and Safety Registry (FCSR) check is required.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RDG 420 Methods of Assessing and Personalizing Reading and Writing**

*Prerequisite: RDG 318; and concurrent enrollment in RDG 421.*

A practical approach to personalizing elementary literacy instruction, which includes assessing the needs and reading/writing progress of children and selecting appropriate materials and procedures for the contemporary classroom, which is assumed to contain children of diverse cultures and learning abilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**RDG 421 Practicum-Methods of Assessing and Personalizing Reading and Writing**

*Prerequisite: RDG 318; and concurrent enrollment in RDG 420.*

Practicum application of techniques in personalizing elementary literacy instruction, by the assignment of students to practicum placements where they will be required to assess the reading and writing progress of children and select appropriate materials and applicable instructional methods for the contemporary classroom, which is assumed to contain children of diverse cultures and learning abilities. Twenty clock hour practicum in school setting is required; students must have valid clearance documents on file.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**RDG 422 Techniques of Teaching Literacy in the Content Fields**

*Prerequisite: RDG 318 and admitted to Teacher Education Program.*

Assess literacy levels and select appropriate materials in various content fields. Techniques of teaching reading and writing in content areas, with emphasis on functional and study skills in these materials. Application will be made to the contemporary classroom, which is assumed to contain children of diverse cultures and learning abilities.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RDG 474 Reading and Writing in the Content Fields**

*Prerequisite: admitted to Teacher Education Program.*

Methods and strategies for using reading and writing as tools for learning in regular middle and secondary school classrooms in which there exists a wide range of literacy achievement. Includes awareness of reading and writing approaches and problems; study skills, literacy evaluation and measurement; vocabulary and comprehension development; selection of materials appropriate for each student; and community-based experiences for practical implementation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**RDG 480 Problems in Literacy Education**

The student, in consultation with advisor or instructor, selects a topic in literacy for in-depth, independent study. Number of hours of involvement determined by semester hours of credit. May be repeated to a total of 5 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RDG 540 Analysis and Correction of Difficulties in Literacy**

*Prerequisite: RDG 318 or both RDG 420 and RDG 421, or equivalent.*

Techniques of analysis and correction of difficulties in literacy for elementary, secondary, special education and reading/literacy teachers. Trends in dealing with diagnostic procedures, instructional techniques, special materials, and assessment. Students concentrate study within their level of training. Family Care and Safety Registry (FCSR) check is required. May be taught concurrently with RDG 640. Cannot receive credit for both RDG 540 and RDG 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**RDG 556 Topical Issues in Literacy**

*Prerequisite: permission may be required (see class schedule).*

To develop understanding and skills in relevant areas of literacy education. Credit hours may vary depending on topic. Variable content course. May be repeated to a total of 5 hours when topics change. A maximum of 3 hours may be used toward degree. May be taught concurrently with RDG 656. Cannot receive credit for both RDG 656 and RDG 556 on same topic.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RDG 560 Diversity Issues in Literacy and Content Area Instruction**

Designed for preservice and practicing elementary, middle, and high school teachers working on undergraduate degrees in Elementary Education or Secondary Education; as well as graduate degrees in Literacy, Elementary Education, MAT, or other MS or MSED graduate degrees. Students will expand their knowledge of racial, cultural, ethnic, linguistics, and socio-economics diversity; and learn strategies to implement diversity issues into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of diversity through a wide variety of course readings, multicultural literature, videos, guest speakers, multicultural interview, and community field trips. May be taught concurrently with RDG 660. Cannot receive credit for both RDG 660 and RDG 560.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**RDG 565 Cultural Diversity in Literacy and Instruction: Classrooms and Community**

Designed for preservice and practicing middle and high school teachers working on undergraduate degrees in Elementary, Middle School, or Secondary Education. Students will expand their knowledge of ethnicity, race, socio-economics status, gender, exceptionalities, language, religion, sexual orientation, and geographic areas in the context of classrooms, schools, and community; and learn strategies to implement diversity into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of domestic and global diversity through a wide variety of course readings, culturally diverse literature, instructional videos, documentaries, webcasts, and intercultural interviews. May be taught concurrently with RDG 665. Cannot receive credit for both RDG 565 and RDG 665.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**RDG 573 Psychology of Literacy**

Practical contemporary learning theories and principles that are basic to acquiring literacy. Focus on evidence-based research supporting learner-centered classrooms and issues of cognitive and metacognitive development, the affective and motivational dimensions of instruction, the developmental and social aspects of learning, and individual differences in learning associated with cultural and social backgrounds. May be taught concurrently with RDG 673. Cannot receive credit for both RDG 573 and RDG 673.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RDG 574 Analysis and Correction of Difficulties in Adolescent Literacy**

*Prerequisite: RDG 474 or concurrent enrollment, or equivalent.*

Techniques of analysis and correction of difficulties in literacy for middle school and secondary teachers whose students struggle with literacy skills, such as reading and writing in content areas. Trends in dealing with diagnostic procedures, instructional techniques, special materials, evaluative devices, instructional interventions for students with reading deficits, and community-based experiences for practical implementation. Students concentrate study within their discipline and level of certification.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**RDG 580 Successful Classroom Communities to Enhance Student Learning**

Integration of areas supporting student learning including productive interactions with families. Concentrated modules on literacy learning of regular education students, struggling readers, and exceptional students. Basic principles in effective communication with parents and other professionals to reinforce appropriate classroom learning. Cannot be substituted for any course required for Special Education degrees or certificates. May be taught concurrently with RDG 680. Cannot receive credit for both RDG 680 and RDG 580.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**RDG 585 Techniques of Responsive Support in the Literacy Classroom**

Techniques to support positive, active learning through appropriate response to intervention plans within the literacy classroom. Study of alternative and appropriate behaviors to meet students' needs in acceptable ways through modeling, guided practice, and cueing within a supportive environment, which includes teachers, parents, and other stakeholders in students' learning. Cannot be substituted for SPE 515, 615, 616, or any course required for a Special Education degree or certificate. May be taught concurrently with RDG 685. Cannot receive credit for both RDG 585 and RDG 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**RDG 599 Literacy Projects**

This course is designed to provide students an opportunity to informally assess and tutor adults or children exhibiting literacy difficulties. Students are expected to have an increased awareness and understanding pertaining to literacy and to recognize the importance of improving the educational process of adults and children. Number of class hours determined by semester hours of credit. Cannot be substituted for any required reading/literacy course. May be repeated to a total of 3 hours. May be taught concurrently with RDG 600. Cannot receive credit for both RDG 600 and RDG 599.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RDG 600 Literacy Projects**

This course is designed to provide students an opportunity to informally assess and tutor adults or children exhibiting literacy difficulties. Students are expected to have an increased awareness and understanding pertaining to literacy and to recognize the importance of improving the educational process of adults and children. Number of class hours determined by semester hours of credit. Cannot be substituted for any required reading/literacy course. May be repeated to a total of 3 hours. May be taught concurrently with RDG 599. Cannot receive credit for both RDG 599 and RDG 600.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RDG 640 Analysis and Correction of Difficulties in Literacy**

*Prerequisite: RDG 318 or both RDG 420 and RDG 421, or equivalent.*

Techniques of analysis and correction of difficulties in literacy for elementary, secondary, special education and reading/literacy teachers. Trends in dealing with diagnostic procedures, instructional techniques, special materials, and assessment. Students concentrate study within their level of training. May be taught concurrently with RDG 540. Cannot receive credit for both RDG 640 and RDG 540.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**RDG 656 Topical Issues in Literacy**

*Prerequisite: permission may be required (see class schedule).*

To develop understanding and skills in relevant areas of literacy education. Credit hours may vary depending on topic. Variable content course. May be repeated to a total of 5 hours when topics change. A maximum of 3 hours may be used toward degree. May be taught concurrently with RDG 556. Cannot receive credit for both RDG 556 and RDG 656 on same topic.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RDG 660 Diversity Issues in Literacy and Content Area Instruction**

Designed for preservice and practicing elementary, middle, and high school teachers working on undergraduate degrees in Elementary Education or Secondary Education; as well as graduate degrees in Literacy, Elementary Education, MAT, or other MS or MSED graduate degrees. Students will expand their knowledge of racial, cultural, ethnic, linguistics, and socio-economics diversity; and learn strategics to implement diversity issues into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of diversity through a wide variety of course readings, multicultural literature, videos, guest speakers, multicultural interview, and community field trips. May be taught concurrently with RDG 560. Cannot receive credit for both RDG 560 and RDG 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**RDG 665 Cultural Diversity in Literacy and Instruction: Classrooms and Community**

Designed for preservice and practicing middle and high school teachers working on graduate degrees in Literacy, Educational Technology, Master of Arts in Teaching, Master of Arts in Teaching and Learning, Elementary Education, or other MS, MA or MSEd graduate degrees. Students will expand their knowledge of ethnicity, race, socio-economics status, gender, exceptionalities, language, religion, sexual orientation, and geographic areas in the context of classrooms, schools, and community; and learn strategies to implement diversity into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of domestic and global diversity through a wide variety of course readings, culturally diverse literature, instructional videos, documentaries, webcasts, and intercultural interviews. May be taught concurrently with RDG 565. Cannot receive credit for both RDG 665 and RDG 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**RDG 673 Psychology of Literacy**

Practical contemporary learning theories and principles that are basic to acquiring literacy. Focus on evidence-based research supporting learner-centered classrooms and issues of cognitive and metacognitive development, the affective and motivational dimensions of instruction, the developmental and social aspects of learning, and individual differences in learning associated with cultural and social backgrounds. May be taught concurrently with RDG 573. Cannot receive credit for both RDG 673 and RDG 573.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RDG 680 Successful Classroom Communities to Enhance Student Learning**

Integration of areas supporting student learning including productive interactions with families. Concentrated modules on literacy learning of regular education students, struggling readers, and exceptional students. Basic principles in effective communication with parents and other professionals to reinforce appropriate classroom learning. Cannot be substituted for any course required for Special Education degrees or certificates. May be taught concurrently with RDG 580. Cannot receive credit for both RDG 680 and RDG 580.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**RDG 685 Techniques of Responsive Support in the Literacy Classroom**

Techniques to support positive, active learning through appropriate response to intervention plans within the literacy classroom. Study of alternative and appropriate behaviors to meet students' needs in acceptable ways through modeling, guided practice, and cueing within a supportive environment, which includes teachers, parents, and other stakeholders in student's learning. Cannot be substituted for SPE 515, 615, 616, or any course required for a SPE degree or certificate. May be taught concurrently with RDG 585. Cannot receive credit for both RDG 585 and 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**RDG 700 Relationship of Language to Literacy and Intellectual Development**

Utilizing elements of language and intellectual development which provide the basis for the development of appropriate literacy skills. Helping teachers gain skill in using teaching strategies which help children develop language and intellectual competencies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**RDG 710 Content Area Literacy**

Teaching subject matter in content areas in ways for utilizing and further developing fundamental literacy; effective reading and writing skills, vocabulary development in specific areas, study skills, utilization of cognitive processes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**RDG 720 Use of Multi-Media Resources in Literacy**

Criteria, methods and tools for selection and effective utilization of both print and nonprint material, enhancing and encouraging competency in literacy; production of materials utilizing various media. Students concentrate study within their level of training (elementary or secondary.)

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RDG 730 Assessment and Instruction of Less Skilled Readers and Writers**

*Prerequisite: RDG 318; or both RDG 420 and RDG 421, or equivalent.*

Supervised small group practice in a clinical setting assessing and instructing students who are experiencing difficulty learning to read and write. Planned with and directed by a graduate faculty member. Less intensive and more generalized clinical experience for those not intending to pursue Special Reading Teacher certification. Cannot be substituted for any course required for special reading certification (RDG 540/640, 780, 781, or 782). Students in Literacy program must enroll for 6 hours, others may enroll for 3 hours.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RDG 740 Issues and Trends in Literacy Education**

Provides intensive study of significant issues and trends in literacy education. Emphasis on locating and analyzing current issues and trends and encouraging teachers and administrators to apply the information to research-based best practices in the classroom.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**RDG 770 Curriculum Design in Literacy**

This course examines the theories and research on literacy from comprehension to implications for instructional practice. Candidates will gain knowledge and share with classmates influences on the teaching of literacy, which may include practices from historical to contemporary times. Research and read literature to prepare for establishing a total school literacy curriculum.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**RDG 780 Assessment Procedures for the Literacy Specialist**

*Prerequisite: RDG 640.*

Designed especially for the special reading teacher or literacy coach who needs an advanced course for special reading teacher certification. Psycho-educational testing techniques, multisensory teaching techniques, report writing, resource personnel, and clinic operations will form the basis for this course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**RDG 781 Assessment of Literacy Problems**

*Prerequisite: RDG 780; and concurrent enrollment in RDG 782.*

Supervised individual practice diagnosing literacy problems. Students work with elementary, secondary, or adult learners. Includes 4 hours of practicum.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**RDG 782 Remediation of Literacy Problems**

*Prerequisite: RDG 780; and concurrent enrollment in RDG 781.*

Supervised individual practice with remedial procedures for literacy problems. Students work with elementary, secondary, or adult learners. Includes 4 hours of practicum.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**RDG 791 Problems in Literacy Education**

In consultation with the advisor, major issues in the field of literacy education are selected for investigation through independent study. Number of hours of involvement determined by semester hours of credit. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RDG 795 Research Seminar in Literacy**

*Prerequisite: SFR 780.*

An in-depth study of a topic in literacy, leading to the guided development and completion of an extensive research paper.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**RDG 799 Thesis**

*Prerequisite: SFR 780.*

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Secondary Education (SEC) courses

**SEC 300 Clinical and Field Experiences in Secondary Education**

*Prerequisite: SFR 250 and an initial Missouri State Board of Education entry examination must be taken and concurrent enrollment in SEC 301.*

Students enrolled attend a weekly clinical and/or discussion session on campus and participate in field experiences at the Greenwood Laboratory School and/or area secondary schools. Cannot be taken Pass/Not Pass.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**SEC 301 Introduction to Teaching in the Secondary School**

*Prerequisite: SFR 250 and an initial Missouri State Board of Education entry examination must be taken and concurrent enrollment in SEC 300.*

Principles and objectives of secondary education; methods of meeting the diverse educational needs of today's secondary students; techniques of teaching; unit construction and daily planning. Required first portfolio checkpoint will occur in this course. Cannot be taken Pass/Not Pass.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SEC 302 General Methods of Instruction in the Middle and Secondary Schools**

*Prerequisite: 45 hours and 2.50 combined GPA.*

Principles and objectives of secondary education; methods of meeting the diverse educational needs of today's middle and secondary students; techniques of teaching; unit construction and daily planning. Students participate in a 30 hour field experience at the Greenwood Laboratory School and/or area middle or secondary schools. A grade of C or better is required in this course in order to enroll in supervised teaching. Required first portfolio checkpoint will occur in this course. This course is a combination of previously offered SEC 300/301 and students cannot receive credit for both SEC 300/301 and SEC 302. All sections of the Missouri State Board of Education entry examination must be passed to proceed beyond this point in the Professional Education Program. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**SEC 493 Supervised Teaching (Secondary)**

*Prerequisite: completion of all method courses in chosen content area; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in SEC 494.*

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SEC 494 Supervised Teaching (Secondary)**

*Prerequisite: concurrent enrollment in SEC 493.*

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SEC 495 Theory into Practice: Applications Workshop**

*Prerequisite: completion of all method courses in chosen content area; a grade of C or better in all professional education courses; approval for student teaching; and concurrent enrollment in SEC 493 or other supervised teaching course.*

Students enroll in workshops, offered during the student teaching semester, that help student teachers with particularly important and difficult tasks involving such things as how to work with diverse student populations, how to apply effective reading strategies, and how to manage students in the classroom. Additional aspects of teaching unique to particular subject matter areas will also be explored.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SEC 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SEC 522 Philosophy of Vocational Education**

Philosophical foundations of vocational education; philosophies of vocational education in contemporary school. Identical with AGV 522. May be repeated to a total of 3 hours. May be taught concurrently with SEC 622. Cannot receive credit for both SEC 622 and SEC 522.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SEC 526 Coordination of Cooperative Education**

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Restricted to those who can qualify as coordinators. Identical with AGV 526. May be repeated to a total of 2 hours. May be taught concurrently with SEC 626. Cannot receive credit for both SEC 626 and SEC 526.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SEC 527 Teaching Adults in Vocational Education**

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 527 and AGE 508. Cannot receive credit for SEC 527 and AGV 527 and AGE 508. May be taught concurrently with SEC 627. Cannot receive credit for both SEC 627 and SEC 527.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SEC 528 Measurement and Evaluation of Vocational Education Programs**

Assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program on manpower needs in a given labor market area. Identical with AGV 528. May be repeated to a total of 3 hours. May be taught concurrently with SEC 628. Cannot receive credit for both SEC 628 and SEC 528.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SEC 622 Philosophy of Vocational Education**

Philosophical foundations of vocational education; philosophies of vocational education in contemporary school. Identical with AGV 622. May be repeated to a total of 3 hours. May be taught concurrently with SEC 522. Cannot receive credit for both SEC 522 and SEC 622.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SEC 626 Coordination of Cooperative Education**

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Restricted to those who can qualify as coordinators. Identical with AGV 626. May be repeated to a total of 2 hours. May be taught concurrently with SEC 526. Cannot receive credit for both SEC 526 and SEC 626.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SEC 627 Teaching Adults in Vocational Education**

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 627 and AGE 608. Cannot receive credit for SEC 627 and AGV 627 and AGE 608. May be taught concurrently with SEC 527. Cannot receive credit for both SEC 527 and SEC 627.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SEC 628 Measurement and Evaluation of Vocational Education Programs**

Assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program on manpower needs in a given labor market area. Identical with AGV 628. May be repeated to a total of 3 hours. May be taught concurrently with SEC 528. Cannot receive credit for both SEC 528 and SEC 628.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SEC 701 Secondary School Curriculum**

Foundation course in the development and organization of the secondary school curriculum.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SEC 703 Seminar in Current Trends in Teaching English**

*Prerequisite: ENG 405.*

For experienced teachers of English in grades 9-12; research and recent developments in teaching literature and composition.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SEC 704 Seminar in Current Trends in Teaching Social Studies**

*Prerequisite: HST 418.*

For experienced teachers of social studies in grades 9-12; research and recent developments in teaching various areas of social studies.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SEC 705 Curriculum Construction in Business Education**

Objectives and interrelationships of business education courses and programs. Development of curricular materials and evaluative devices. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SEC 706 Seminar in Current Trends in Teaching Business Education**

For experienced teachers of business education in grades 9-12; research and recent developments in teaching business education.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SEC 707 Seminar in Current Trends in Teaching Mathematics**

*Prerequisite: MTH 409.*

For experienced teachers of mathematics in grades 9-12; research in recent trends and developments in teaching mathematics.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SEC 708 Seminar in Current Trends in the Teaching of Biology**

*Prerequisite: SCI 414.*

Methods of teaching biology; emphasizing modern techniques and developments in both the biological science curriculum and instructional procedures relating to that curriculum.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SEC 783 Internship in Teaching I**

*Prerequisite: SFR 797; complete appropriate background check and obtain current professional liability insurance.*

A site-based clinical experience. Students will observe the operations of a school, serve as teacher aides and administrative aides in the school; and work closely with school and community service organizations. Students will also complete an on-going seminar through online or literature based delivery systems. Students will implement an initial Teacher Work Sample in a classroom under the supervision of a cooperating teacher.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**SEC 784 Internship in Teaching II**

*Prerequisite: SEC 783; and acceptance into the Master of Arts in Teaching degree program.*

The candidate must have successfully completed the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education, obtained current pre-professional liability insurance, completed the appropriate background check and be approved for supervised teaching. A semester-based supervised teaching experience. Students teach full time, under the supervision of a cooperating teacher and a University supervisor. Students also attend an ongoing seminar and design and implement a Teacher Work Sample required for graduation. The candidate's professional portfolio should be completed during this course. Supplemental course fee.

**Credit hours:** 10
**Lecture contact hours:** 2
**Lab contact hours:** 16

**Typically offered:** Spring
Projected offerings

**SEC 785 Internship in Teaching III**

*Prerequisite: SEC 783 and SEC 784.*

Students will complete a professional preparation portfolio. The professional portfolio will be evaluated by instructors in order to determine how well the candidate demonstrated understanding of DESE content standards and MoSPE standards.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Secondary Education, Foundations and Educational Research (SFR) courses

**SFR 250 Foundations of American Education**

*Prerequisite: completion of 30 semester hours.*

This course introduces education majors to the departments. Knowledge Base with its emphasis on teachers as reflective decision-makers. It examines both the nature and history of the teaching profession, K-12 school orientation, and educational theories. It also explores sociocultural, political, and legal issues in American education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 305 Field Experiences in Education**

Student attends scheduled discussion sessions on campus and participates in field experiences at Greenwood Laboratory School and/or area schools. Designed for transfer students who have partially completed the field experiences requirement and students working on a certification which requires a second field experience. 1(0-2) or

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**SFR 351 Philosophical Problems of Education**

*Prerequisite: admitted to Teacher Education Program.*

Introduction to educational problems involving language, logic, ethics, theory of knowledge, and theory of action, as they apply to school problems of pedagogy, curriculum, and policy. Contemporary and historical treatments of the problems.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 353 History of Educational Thought**

*Prerequisite: admitted to Teacher Education Program.*

The history of major educational ideas and their relationships to contemporary educational theories and practices.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 354 Social and Philosophical Foundations of American Education**

*Prerequisite: admitted to Teacher Education Program.*

The roles and functions of the school in the social and philosophical context of American culture. Attention to cultural diversity and its effects upon the school and the learner.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 396 Student Assessment and Evaluation**

*Prerequisite: admitted to Teacher Education Program.*

Planning, constructing, using, and analyzing a variety of assessment practices to enable preservice teachers to make reflective decisions in the classroom.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 399 Problems in Education**

Independent research conducted on topics relevant to the field of education. The student and instructor mutually agree upon the direction and extent of the project. Credited only on the BSEd degree. May be repeated to a maximum of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 442 Techniques of Classroom Management**

*Prerequisite: admitted to Teacher Education Program.*

Emphasis on prevention of behavior problems. The study of theoretical approaches to handling disruptive behavior in the classroom. Application of theory to simulated classroom situations. Includes assistance in teaching students with handicaps and/or from different cultural backgrounds.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 444 Approaches to Individualizing Education**

*Prerequisite: admitted to Teacher Education Program.*

Analyzing the academic interest, levels, and learning styles of the student. Methods of developing individual programs, self-instructional packages, and learning aids. Introduction to prepared materials and other technology to enable the teacher to individualize instruction.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 482 Teacher Relationships with the School of Society**

*Prerequisite: admitted to Teacher Education Program.*

Professional responsibilities and roles of the teacher in relationships with students, staff, and community; job procurement and interview skills, teaching as a career and profession.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 486 Management and Assessment in the Middle and Secondary Classroom**

*Prerequisite: admission to Teacher Education Program and PSY 360, or equivalent competencies.*

Planning, constructing, using, and analyzing a variety of assessment practices and understanding uses of standardized testing in education. Covers adolescent social behavior, management theory and strategies that promote effective learning and development while minimizing disruptive behavior. Application of theory to classroom practice and everyday situations. Identical with PSY 486. Cannot receive credit for both SFR 486 and PSY 486.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**SFR 521 Techniques for Teaching Adults**

*Prerequisite: admitted to Teacher Education Program.*

A survey of the principles, objectives and trends in instructional techniques for adult education. May be taught concurrently with SFR 621. Cannot receive credit for both SFR 621 and SFR 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 547 Guidance and Interpersonal Relationships in the Classroom**

*Prerequisite: admitted to Teacher Education Program.*

Appropriate classroom communication and interpersonal skills. Emphasis on the relationship between self concept development and achievement in a diverse student population. May be taught concurrently with SFR 647. Cannot receive credit for both SFR 647 and SFR 547.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 576 Topical Issues in Education**

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. May be taught concurrently with SFR 676. Cannot receive credit for both SFR 676 and SFR 576.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 581 Law and the Classroom Teacher**

*Prerequisite: admitted to Teacher Education Program.*

Rights and responsibilities of classroom teachers as determined by the legal structure created by state and federal constitutions, legislative actions, and judicial decisions. Implications of legal foundations for teachers relative to ethics, relationships with students, colleagues, minority groups, professional organizations, and others. May be taught concurrently with SFR 681. Cannot receive credit for both SFR 681 and SFR 581.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 583 Contemporary Issues in Education**

*Prerequisite: admitted to Teacher Education Program.*

In-depth analysis of selected issues currently generating great interest and controversy in American education. Attention to the effects of the issues on the teaching profession, curriculum, instruction, and school personnel. May be taught concurrently with SFR 682. Cannot receive credit for both SFR 682 and SFR 583.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 595 Applications of Educational Measurement**

*Prerequisite: admitted to Teacher Education Program.*

Using the results of testing in schools. The role, advantages, and limitations of evaluative instruments and techniques in educational decision making. May be taught concurrently with SFR 695. Cannot receive credit for both SFR 695 and SFR 595.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 621 Techniques for Teaching Adults**

A survey of the principles, objectives and trends in instructional techniques for adult education. May be taught concurrently with SFR 521. Cannot receive credit for both SFR 521 and SFR 621.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 647 Guidance and Interpersonal Relationships in the Classroom**

Appropriate classroom communication and interpersonal skills. Emphasis on the relationship between self concept development and achievement in a diverse student population. May be taught concurrently with SFR 547. Cannot receive credit for both SFR 547 and SFR 647.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 676 Topical Issues in Education**

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. May be taught concurrently with SFR 576. Cannot receive credit for both SFR 576 and SFR 676.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 681 Law and the Classroom Teacher**

*Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.*

Rights and responsibilities of classroom teachers as determined by the legal structure created by state and federal constitutions, legislative actions, and judicial decisions. Implications of legal foundations for teachers relative to ethics, relationships with students, colleagues, minority groups, professional organizations, and others. May be taught concurrently with SFR 581. Cannot receive credit for both SFR 581 and SFR 681.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 682 Contemporary Issues in Education**

*Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.*

In-depth analysis of selected issues currently generating great interest and controversy in American education. Attention to the effects of the issues on the teaching profession, curriculum, instruction, and school personnel. May be taught concurrently with SFR 583. Cannot receive credit for both SFR 583 and SFR 682.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 695 Applications of Educational Measurement**

*Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.*

Using the results of testing in schools. The role, advantages, and limitations of evaluative instruments and techniques in educational decision making. May be taught concurrently with SFR 595. Cannot receive credit for both SFR 595 and SFR 695.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 709 Individualizing Instruction**

Training in various procedures for individualizing instruction at all grade levels.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 711 Principles and Organization of Student Activities**

Acquaints teachers and administrators with problems and procedures involved in the organizations and supervision of student activities.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 723 Organization and Administration of Adult Education**

Theory and practice relating to the organization, administration, and supervision of adult education. Emphasis will be placed upon adult education programs in the public school and the junior-community college.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 724 Organization and Administration of Vocational Education**

Problems, procedures and local, state and federal relationships in organization and administration of vocational education in the contemporary school. Identical with AGV 724. May be repeated to a maximum of 3 credit hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 730 Curriculum Construction in the School**

Traditional, humanistic, and behavioristic approaches to advanced curriculum development in the school.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 750 Philosophies of Education**

Philosophical problems of education; philosophical systems in America; their effect upon educational practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 753 Comparative Educational Systems**

Comparative analysis of major ideas and institutions of selected international systems of education. Comparisons between international systems of education and systems dominant in America.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 780 Educational Research Methodology**

Survey of research methods used in education; research design and evaluation; problems of interpretation and application; development of a formal research proposal.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**SFR 781 Educational Research Literacy**

Introduction to the appreciation and understanding of research and common research methods in Education. In addition to basic research concepts, students will learn to read, understand, evaluate, and synthesize research, and explore the application of research results in their professional work.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 791 Educational Workshop**

Workshop to upgrade understandings and skills, concerned with the improvement of secondary teaching procedures, curriculum, supervision, administration or guidance. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. May be repeated to a maximum of 9 hours. Thirty clock hours equal one credit hour.

**Credit hours:** 1-9
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 792 Supervision of Student Teachers**

*Prerequisite: valid elementary or secondary teaching certificate.*

For public school teachers cooperating in college student-teaching programs; organizing and directing work of the student teacher.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 793 Qualitative Research Methods**

This course is focused on qualitative methods in the social sciences and specifically in educational research, including educational action research. Depending on prior research work, students will plan, implement, or further a qualitative or action research study. Students will learn firsthand about collecting and analyzing qualitative data, developing theories, and writing up the results. Students will also explore the role of educational action research in professional development, in improving classroom practices, and in developing school policy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SFR 794 Research Practicum**

*Prerequisite: SFR 780.*

Conducting research projects with schools and other educational agencies. Students will be engaged in articulating research problems, reviewing literature, collecting and analyzing data, and presenting results.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 796 Problems in Education**

Specific problems in education related to needs and interests of the student. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 797 Advanced Studies in Teaching and Learning**

*Prerequisite: admitted to the Master of Arts in Teaching program.*

The purpose of this course is to develop deep understandings and skills regarding secondary teaching, procedures, methods, curriculum, supervision, administration and foundations. Candidates will be introduced to the electronic portfolio. Portfolio checkpoint one will occur in this course.

**Credit hours:** 9
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 799 Thesis**

*Prerequisite: SFR 780.*

May be repeated to a maximum of 6 hours credit.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 858 Current Issues Affecting Education**

This multi-disciplinary mini-course is composed of selected topics of current interest to all school personnel. Opportunities are provided for object examination of highly volatile controversies surrounding education. May be repeated for a total of 6 hours credit.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SFR 890 Field Research and Evaluation**

*Prerequisite: SFR 780.*

Specifically designed to give each student the prerequisite skills and competencies necessary for completion of field study research project(s) as well as preparation for conducting on-the-job institutional research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

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# Middle School Education

## Major(s)

### Middle School Education

Bachelor of Science in Education (Certifiable grades 5-9)
The curriculum for middle school teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (IPC) to teach in the state of Missouri. Holders of this middle school certificate may be employed to teach in grades 5-9 in the certificate subject area (program option).

#### Degree requirements

Candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the professional education courses and no grade lower than a "C" in all professional education courses which includes all courses listed under C

Additionally, students must earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the other Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to "Teacher Education Program" for application procedures.

#### Program requirements

A. General Education Program and Requirements (46-48 hours)

Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

1. Focus on Written Communication (6 hours): ENG 110(3) and ENG 210(3)
2. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended.
3. Focus on Oral Communication: COM 115(3)
4. Focus on Life Sciences: BIO 100(4)
5. Focus on Physical Sciences: PHY 101(4)
6. Focus on Social and Behavioral Sciences: PSY 121(3). Note: ECO 155 cannot be double-counted if Social Science is chosen as an area of subject matter option.
7. Focus on Cultural Competence: GRY 100 is required if Social Science is chosen as an area of subject matter option.
8. Courses used to meet the Focus on Humanities and the Focus on the Arts must have two (2) different course codes to meet state certification requirements. ART 200 or MUS 241 recommended.
9. Focus on Constitution of U.S. and Missouri and American History and Institutions: HST 121(3) and PLS 101(3)

B. Area of Subject Matter Options (24 hours):
Students must complete one of the following program options. This requirement is met by combining coursework required for General Education (section A)and additional hours in the content area option. General Education requirements are bolded. Courses noted with an asterisk are those that cannot be double-counted toward both General Education requirements and the program option.

1. **Language Arts Option** (24 hours):
   a. **ENG 110**(3)**, 210**(3), 338(3), 390(3), 520(3), THE 505(3)
   b. Two of the following courses: ENG 282(3), 351(3), 354(3), 533(3), 534(3), 536(3)
2. **Mathematics Option** (24 hours):
   a. **MTH 130**(3)**,** 320(3), 343(3), 479(3)
   b. Two of the following courses: MTH 135(3), 138(5), 261(5), 280(5), 315(3), 575(3)
   c. One of the following courses: MTH 360(3), 460(3)

d. One of the following courses: MTH 377(3), 261(5)-if not used previously

3. **Science Option** (24 hours):

**BIO 100**(4), **PHY 101**(4), BIO 205(2), CHM 116(4), CHM 117(1), GRY 108(3), GRY 240(4), PHY 501(2)

4. **Social Sciences Option** (24 hours):
   a. **GRY 100**(3), **HST 121**(3), **HST 122**(3), **PLS 101**(3), HST 103(3)*, HST 104(3)*, ECO 155(3)*

   b. One of the following courses: HST 335(3),350(3), 380(3), 381(3)

   ***Cannot be double-counted toward both General Education requirements and the program option.

C. Professional Education (47-48 hours): Note: A grade of "C" or better in each course is required.
   1. Foundations of Teaching: EDC 345(3), EDC 350(3), EDT 365(3),PSY 360(3), SPE 340(2)

   2. Teaching Methods: MID 400(3), RDG 474(3), RDG 574(3), SFR 486(3)

   3. Choose one of the following content area methods courses:
      a. ENG 405(3) - Language Arts

      b. MTH 409(3) - Mathematics

      c. SCI 404(3) - Science

      d. HST 418(4) - Social Sciences

   4. Clinical Experiences: SEC 302(3), MID 439(3), MID 493(6), MID 494(6)

D. Public Affairs Capstone Experience will be fulfilled by completion of MID 493(6) and 494(6).

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

F. General Baccalaureate Degree Requirements

## Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Literacy

Eligible Missouri State undergraduate students may apply for admission to the Literacy program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Literacy

## Minor(s)

### Literacy

Bachelor of Science in Education (Non-Certifiable)
This minor is designed to strengthen classroom teachers' knowledge for teaching literacy.
Minimum of 23 hours required.

A. RDG 318(3) or 474(3); RDG 420(3), 421(2), 540(3), 574(3); ENG 334(3)

B. Select additional electives from the following to bring total to 23 hours: RDG 318(3) or 474(3) if not counted above; RDG 560(3) or 565(3); 573(3), 580(3)*, 585(3)*; ENG 338(3) or ENG 536(3); PSY 331(3), 441(3)*; SPE 584(3) or CSD 312(3); PSY 508(3)* or SPE 515(3)* or other electives approved by the department.
**Courses may be applied toward teacher certification in Special Reading (K-12). Additional coursework will be required for the teacher's certificate.*

# College of Health and Human Services

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Athletic Training, Bachelor of (BSAT)

Biomedical Sciences (Minor)

Cell and Molecular Biology (BS)+

Clinical Laboratory Sciences-Medical Technology (BS)

Coaching (Minor)

Communication Sciences and Disorders (BS)+

Dietetics (BS)

Exercise Biology (Minor)

Exercise and Movement Science (BS)+

Forensic Child Psychology (Certificate)

Gerontology (BS, Minor)

Health Care Management (Minor)

Health Services (BS)

Molecular Biology (Minor)

Nursing, Bachelor of Science in (generic 4-year program) (BSN)+

Nursing, Bachelor of Science in (completion program for registered nurses) (BSN)+

Nutrition (Minor)

Psychology (BA, BS, Minor)

Physical Education (BSEd)+

Radiography (BS)+

Recreation, Sport, and Park Administration (BS, Minor)+

Respiratory Therapy (BS)+

Sign Language Studies (Minor)

Social Work, Bachelor of (BSW)

Sports Medicine (Minor)

### Graduate

Applied Behavior Analysis (MS)

Nursing Practice, Doctor of (DNP)

Athletic Training (MS)

Audiology, Doctor of (AuD)

Cell and Molecular Biology (MS)

Communication Sciences and Disorders/Education of the Deaf and Hard of Hearing (MS)

Communication Sciences and Disorders/Speech-Language Pathology (MS)

Dietetic Internship (Certificate)

Education of the Deaf and Hard of Hearing (Certificate)

Forensic Child Psychology (Certificate)

Health Promotion and Wellness Management (MS)

Nurse Anesthesia Practice, Doctor of (DNAP)

Nurse Educator, Post-Master's (Certificate)

Nursing, Master of Science in (MSN)

Occupational Therapy, Master of (MOT)

Physical Therapy, Doctor of (DPT)

Physician Assistant Studies (MS)

Psychology (MS)

Public Health, Master of (MPH)

Public Health Administration (Certificate)

Public Health Core (Certificate)

Public Health and Homeland Security (Certificate)

Secondary Education with option in Physical Education (MSEd)

Social Work, Master of (MSW)

Sports Management (Certificate)

Statistics and Research Design (Certificate)

Courses are offered toward the option in Sports Management within the Professional Studies program (MPS)

## Centers for Research and Service

### Southwest Missouri Area Health Education Center

The College hosts the Southwest Missouri Area Health Education Center. The mission of the center is to promote careers in primary health care through recruitment activities, support clinical placements in rural medically underserved areas and provide support for providers.

## Contact

**Dean**

Helen C. Reid, PhD

**Associate dean for academic programs**

Letitia J. White, PhD

## *R*Stats Institute

The *R*Stats Institute provides research, statistical training, analysis and technical support for faculty and students to facilitate and advance scholarly work. *R*Stats Faculty Associates and Graduate Assistants share their expertise in research design and statistical analysis through consultation and workshops on research planning, design and statistical analysis topics.

# Clinics

## Learning Diagnostic Clinic

The Learning Diagnostic Clinic (LDC) provides evaluation services for students who are seeking accommodations for physiological or learning disabilities. Services are provided to students referred by the Disability Resource Center, and to the general public. The LDC also offers *Project Success*, an academic support program for students who desire more comprehensive services than those covered under the Americans with Disabilities Act (ADA). Graduate Assistants from the Psychology Department's Clinical track gain valuable experiences by working in the LDC.

## Physical Therapy Clinic

The Physical Therapy Clinic (PT) provides specialty care and rehabilitation services for neuromusculoskeletal complaints, assessment and treatment of balance and vestibular problems, and other specialty services to students, faculty, staff, as well as area residents and businesses. Students in the DPT program rotate through the PT Clinic as part of their training.

## Speech-Language and Hearing Clinic

The Speech-Language and Hearing Clinic (SLP) provides evaluation and treatment for all ages in areas of Speech-Language Pathology, Audiology and early intervention for children who are Deaf or Hard of Hearing. Certified and licenses professionals supervise all services performed by graduate

**Office**

Professional Building, Room 110

**Phone**

417-836-4176

**Fax**

417-836-6905

**Email**

CollegeofHealthandHumanServices@MissouriState.edu

**Website**

www.missouristate.edu/chhs/

students of the CSD Department. The SLP Clinic plays a critical role in the development of clinical skills by students, and provides a service to the community in keeping with the University’s public affairs mission.

## Background security check and drug screening requirements

Some academic programs in the health related areas will require students to pass a background security check and a drug screening. These programmatic screening policies are a result of health organizations' requirements for placement at their clinical sites. Students will be financially responsible for the background security check and drug screening. Please see each academic program requirements, applications materials and admission standards for specific detailed information. Students who do not pass the appropriate screenings may not be able to complete the program or practice professionally.

# Department of Biomedical Sciences

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Biomedical Sciences (Minor)

Cell and Molecular Biology (BS)+

Clinical Laboratory Sciences-Medical Technology (BS)

Dietetics (BS)

Exercise Biology (Minor)

Health Services (BS)

Molecular Biology (Minor)

Nutrition (Minor)

### Graduate

Cell and Molecular Biology (MS)+

Dietetic Internship (Certificate)

Nurse Anesthesia Practice, Doctor of (DNAP)

## Accreditations

- Academy of Nutrition and Dietetics-Accreditation Council for Education in Nutrition and Dietetics – Dietetics (BS); Dietetic Internship Graduate Certificate
- Council on Accreditation of Nurse Anesthesia Educational Programs – Doctor of Nurse Anesthesia Practice

## Contact

**Department head**

Colette M. Witkowski, PhD

**Office**

Professional Building,

## General information

### Dietetic Internship (DTN) courses

Open only to those students who have been admitted to the Dietetic Internship Graduate-Level Certificate Program.

### Medical Technology (MTC) courses

Not open to regular Missouri State students. Courses are offered at a School of Clinical Laboratory Sciences-Medical Technology only for those students who have been admitted to such a school.

Room 400

**Phone**

417-836-5603

**Fax**

417-836-5588

**Email**

BiomedicalSciences@MissouriState.edu

**Website**

www.missouristate.edu/bms/

# Biomedical Sciences Faculty

## Professors

Richard Garrad, PhD

Helen C. Reid, RD, PhD

Benjamin F. Timson, PhD

Colette M. Witkowski, PhD

## Associate professors

Anne Marie Hunter, PhD, RD, LD, FADA

Joshua J. Smith, PhD

Jianjie Wang, PhD

Scott D. Zimmerman, PhD

## Assistant professors

Tracy L. Beckham, MSA

Carmen Boyd, MS, LPC, RD, LD

Amanda C. Brodeur, PhD

Monika Feeney, DNAP

Lyon H. Hough, PhD

Amy Hulme, PhD

Jill K. Layman, MS

Robert T. Morris, PhD

Jeanie Skibiski, MHA

## Clinical assistant professors

Rickey D. Albaugh, BS

Sockju Kwon, PhD

Tracey L. Poston, MPA

## Senior instructors

Sarah Murray, MS, RD, LD

Hillary Roberts, MS, RD, LD

Joseph Williams, MS

## Instructors

Rebecca L. Allen, BS

Nicole A. Hendrickson, BS

Daniela Novotny, MS

## Clinical instructors

Natalie Allen, MS, RD, LD

Tara J. Stulce, MPH

## Emeritus faculty

Paul J. Cameron, MA

Michael M. Craig, PhD

Randi J. Ulbricht, PhD

Florence O. Uruakpa-Nweke, PhD

Harold B. Falls, Jr., PhD

Christopher C. Field, PhD

Albert R. Gordon, PhD

Joanne M. Gordon, MSN, PhD

L. Dennis Humphrey, EdD

Wayne C. McKinney, PhD

Harley E. Mortensen, PhD

Missouri State

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Undergraduate Catalog



# Biomedical Sciences Courses

## Nurse Anesthesia (ANE) courses

**ANE 700 Informatics and Graduate Studies for Anesthesia**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Study of the researcher role, research process, research skills, scientific writing, professional development, and research ethics. Study the use of technology in graduate studies. Dissect the meaning of a capstone project and its purpose.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ANE 702 Clinical Conference I**

Review of significant cases involving complex anesthesia considerations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 705 Clinical Conference II**

*Prerequisite: ANE 702.*

A review of significant cases involving complex anesthesia considerations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 708 Clinical Conference III**

*Prerequisite: ANE 705.*

Continuing review of significant cases involving complex anesthesia considerations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 711 Clinical Conference IV**

*Prerequisite: ANE 708.*

Continuing review of significant cases involving complex anesthesia considerations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 714 Orientation to Clinical Anesthesia**

*Prerequisite: permission from program director.*

Introduction to anesthesia equipment, monitoring equipment, positioning, intravenous considerations, records, departmental management, ethics, departmental organization and function, legal and professional aspects.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 717 Physics and Chemistry of Anesthesia**

A presentation of the principles and laws of physics and chemistry applicable to the field of anesthesia.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 720 Basic Principles of Anesthesia**

A presentation of the principles of laws of physics and chemistry applicable to the field of anesthesia long with an in-depth analysis of structure and function of the cardiac, respiratory, circulatory, endocrine, hepatic, renal, neurologic, autonomic, and central nervous systems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 723 Application of Anatomy and Physiology to Anesthesia II**

An in-depth analysis of the special relationships between anesthesiology and the endocrine, hepatatic, renal, neurologic, autonomic, and central nervous systems.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 726 Introduction to Clinical Anesthesia**

Preoperative evaluation of patients, airway management, inhalation techniques, common complications of induction and emergence. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 732 Advanced Anesthesia Principles I**

*Prerequisite: ANE 720.*

An in-depth review of drugs commonly used to provide the state of anesthesia, review of subjects essential to the practice of anesthesia; emphasis on pediatrics, neonatal, critical care anesthesia, trauma and burns, organ transplants and organ retrieval, obesity and GI disorders, and a study of the requirements for specialized anesthesia care; regional anesthesia, chronic pain, cardiac, and vascular anesthesia.

**Credit hours:** 6
**Lecture contact hours:** 6
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANE 734 Advanced Physical Assessment and Clinical Reasoning**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnoses, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Identical with NUR 734. Cannot receive credit for both ANE 734 and NUR 734.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**ANE 735 Clinical Practicum**

*Prerequisite: admission to Doctor of Nurse Anesthesia Practice program.*

Clinical experience in the anesthesiology department at multiple clinical sites. Specialty content may be included as part of the practicum experience. May be repeated to a total of 44 hours. Hours are based on clinical practicum days in the clinical area. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours:** 3-10
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ANE 742 Clinical Physiology**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Clinical interpretation of organ systems with a consideration of disease etiology and diagnosis. Current research topics will be introduced and discussed.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANE 744 Pharmacology in Anesthesia**

*Prerequisite: ANE 720.*

A review of the effects of drugs required by patients with preexisting medical conditions and their continuation in the perioperative period.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**ANE 745 Anesthesia Pharmacology I**

*Prerequisite: BMS 620.*

A study of the principles of clinical pharmacology and the pharmacokinetics and pharmacodynamics of commonly used anesthetic agents during the perioperative period. A review of the effects of drugs required by patients during the perioperative period with and without preexisting medical conditions and their continuation in the perioperative period. Detailed study of inhalational agents and stages of anesthesia, opioids, opioid agonists/antagonists, barbiturates and non-barbiturates, and drug interactions.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANE 746 Anesthesia Pharmacology II**

*Prerequisite: ANE 745.*

A study of the principles of clinical pharmacology and the pharmacokinetics and pharmacodynamics of commonly used anesthetic agents during the perioperative period. A review of the effects of drugs required by patients during the perioperative period with and without preexisting medical conditions and their continuation in the perioperative period. Detailed study of neuromuscular blocking drugs, and local anesthetics. Course includes an introduction to autonomic pharmacology and cardiovascular pharmacology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANE 750 Advanced Anesthesia Principles II**

*Prerequisite: ANE 720.*

A review of the special anesthetic considerations for: anesthesia delivery systems, pre-operative evaluation, monitoring, professional liability, rare and coexisting diseases, hemotherapy and hemostasis, post-anesthesia recovery, minimally invasive procedures, orthopedic, geriatric, outpatient anesthesia, airway management, respiratory physiology and function, thoracic surgery, neuro surgery, patients with liver and kidney disease, acid-base disturbances, and patients undergoing urologic, ophthalmic, and otolaryngologic surgery.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANE 800 Leadership for Evidence-Based Practice**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnosis, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Cannot receive credit for both ANE 800 and NUR 800.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**ANE 803 Human Factors and Patient Safety for Healthcare**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Examines healthcare from a safety perspective and how to facilitate change for caregivers at the "sharp end of the stick" according to the Reason theory of errors. Discussion of an environment and philosophy of safety. Explores basis of human error, patient safety and quality assurance by introducing a system approach, including crisis management, simulation and teamwork in healthcare. Course taught online only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANE 806 Professional Practice in Anesthesia**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Emphasizes learning through advanced clinical experiences in anesthesia practice. Explores concepts of nurse anesthesia practice, competence and expertise, and incorporation of critical thinking skills and reflection as an evaluation method. The focus is on methods of determining best practice through identification of problems, review, and systematic evaluation of current research, interdisciplinary collaboration and consideration of economic and other factors that impact patient outcomes. A professional portfolio will be expected at the conclusion of the program. Course taught online only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANE 807 Anesthesia and Healthcare Policy**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Examines government and non-government issues that influence nurse anesthesia practice. Focuses on development of skills that contribute to leadership and personal effectiveness in implementing change in nurse anesthesia and healthcare. Emphasizes interdisciplinary relationships between the CRNA, nurse, physician, and administration, policy makers and other key stakeholders that format healthcare policy; equips the student with up-to-date information on various global health topics and perspectives; a basic perspective of health policy issues in different geographical regions, and explains how global health policy is affected by significant world events, including coverage of new infectious diseases with human rights, stigma of diseases and disclosure. Comparison of health and healthcare universally. Course taught online only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**ANE 810 Health and Wellness in the Healthcare Setting**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Health and wellness in the healthcare setting for the healthcare provider in modern day medical settings. Health coping strategies investigated. Pitfalls of stressors in healthcare with evidence-based solutions. Addiction and recovery for healthcare professionals reviewed with AANA wellness modules, and peer assistance as well as University assistance for students reviewed. Health lifestyles including dietary, mental, physical, spiritual wellness for healthcare providers discussed. Course taught online only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANE 897 Research for Scholarly Project**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

The Capstone Project is the culminating experience of the DNAP program, and presents an opportunity for students to investigate a problem relevant to the practice of anesthesia. Because nurse anesthesia practice includes administrative and educational roles as well as clinical practice, the project is open to a wide variety of ideas and interests. Students are encouraged to be creative in identifying problems and suggesting corrective actions;, solutions must be based on sound evidence. ANE 897 and ANE 898 are consecutive courses to allow the student time to complete the Capstone Project during their anesthesia study periods. The initial class provides direction and approval for the class, while the latter class provides presentation and evaluation of the determined project. Course taught online only. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ANE 898 Capstone Project Presentation**

*Prerequisite: ANE 897 and admission to the Doctor of Nurse Anesthesia Practice program.*

The Capstone Project is the culminating experience of the DNAP program, and presents an opportunity for students to investigate a problem relevant to the practice of anesthesia. Because nurse anesthesia practice includes administrative and educational roles as well as clinical practice, the project is open to a wide variety of ideas and interests. Students are encouraged to be creative in identifying problems and suggesting corrective actions; solutions must be based on sound evidence. ANE 897 and ANE 898 are consecutive courses to allow the student time to complete the Capstone Project during their anesthesia study periods. The initial class provides direction and approval for the class, while the latter class provides presentation and evaluation of the determined project. Course taught online only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

## Biomedical Sciences (BMS) courses

**BMS 100 Concepts and Issues in the Life Sciences**

*General Education Course (Focus on Life Sciences).*

A lecture course designed to help non-science majors understand the biological basis of human life by introducing the major concepts and principles of human biology. Topics include cell biology, the chemical basis of life, genetics, and basic anatomy and physiology. Current ethical issues and human disease are emphasized through discussion. Designed for students interested in human biology, but who do not plan on further study of life sciences. Cannot receive credit for both BMS 100 and BMS 110.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**BMS 101 Concepts and Laboratory in the Life Sciences**

*Prerequisite: BMS 100 or concurrent enrollment.*

*General Education course (Focus on Life Sciences).*

A laboratory course designed to help non-science majors understand the biological basis of human life by introducing the major concepts of human biology. This laboratory course will emphasize scientific observation and investigation in topics including cell biology, the chemical basis of life, genetics, and basic anatomy and physiology. This course is designed for students interested in human biology, but who do not plan further study or laboratory work in the life sciences. Cannot receive credit for both BMS 101 and BMS 111.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 110 Introduction to the Biomedical Sciences**

*Prerequisite: eligibility for both ENG 110 and MTH 135.*

*General Education Course (Focus on Life Sciences).*

An introduction to concepts and techniques related to human anatomy, physiology, genetics, cellular and molecular biology. Recommended for students in preprofessional programs and Allied Health careers. Cannot receive credit for both BMS 100 and BMS 110. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**BMS 111 Introductory Laboratory in the Biomedical Sciences**

*Prerequisite: BMS 110 or concurrent enrollment; and eligibility for both ENG 110 and MTH 135.*

*General Education Course (Focus on Life Sciences).*

This course is designed for students who require intensive introductory laboratory experience in human biology and biomedical sciences techniques to prepare for future laboratory work in the biomedical sciences. Cannot receive credit for both BMS 101 and BMS 111. Cannot be taken Pass/Not Pass. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**BMS 113 Introduction to Medical Technology**

Designed to acquaint students with the field of medical technology through performance of simple procedures and explanation of test principles and diagnostic interpretation of results. Also designed to provide adequate exposure to the medical laboratory so that the student will be able to make a rational decision concerning a career in laboratory medicine.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 130 Essentials of Nutrition**

Non-health science major course discussing basic concepts of human nutrition which includes carbohydrates, lipids, proteins, vitamins, minerals, absorption, digestion, and energy utilization as they relate to health and food consumption at different stages of the life cycle. Emphasis is placed on early childhood. Cannot receive credit for both BMS 130 and BMS 240.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 195 Introduction to the Health Professions**

*Prerequisite: freshman or sophomore standing only.*

Designed to familiarize students with a variety of health career opportunities, and to provide guidance in early curriculum planning and alternative career options. Identical with HLH 195. Cannot receive credit for both BMS 195 and HLH 195.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 230 Human Genetics**

*Prerequisite: C grade or better in BMS 110 and 111 or BIO 121.*

A survey of genetic principles in humans with emphasis on molecular genetics and human genetic abnormalities causing diseases and behavioral changes. A portion of the course requires students to research, report on, and discuss current topics in human genetics. Cannot receive credit for both BMS 230 and BMS 231.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 231 Human Genetics with Laboratory**

*Prerequisite: C" grade or better in BMS 110 and 111 or BIO 121; and Cell and Molecular Biology or Clinical Laboratory Science-Medical Technology major or Biomedical Sciences minor.*

A survey of genetic principles in humans with emphasis on molecular genetics and human genetic abnormalities causing diseases and behavioral changes. A portion of the course requires students to research, report on, and discuss current topics in human genetics. The laboratory emphasis is on techniques and skills that expand the understanding of genetic concepts. Cannot receive credit for both BMS 230 and BMS 231. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 232 Human Genetics Laboratory**

*Prerequisite: BMS 230.*

This course is identical to the laboratory portion of BMS 231 and is designed for students who require laboratory experience in genetics to prepare for future laboratory work in the biomedical sciences. Cannot receive credit for both BMS 231 and 232.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 240 Introduction to Nutrition**

*Prerequisite: C grade or better in CHM 116 or [CHM 116 and 117] or CHM 160 or [CHM 160 and 161] or concurrent enrollment.*

Study of nutrients with emphasis on their sources and functions in human growth and health. Discussion of current nutrition issues. A grade of "C" or better is required in this course in order to take any nutrition courses numbered 300 and above or BMS 567. Cannot receive credit for both BMS 130 and BMS 240. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 260 Biology of Aging**

*Prerequisite: BMS 100 and 101 or BMS 110 and 111 or BIO 121; and CHM 116 or CHM 160.*

The physiology and biology of aging in humans. Designed for gerontology majors.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 300 Service Learning in Biomedical Sciences**

*Prerequisite: 30 hours and concurrent enrollment in a Biomedical Sciences course designated as service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in one of the subdisciplines of Biomedical Sciences to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 305 Introduction to Nutrition and Dietetics**

*Prerequisite: BMS 240 or concurrent enrollment.*

This course is open only to potential dietetics majors and nutrition majors. Examination of the role of dietetics in the health care system, exploration of the responsibilities of nutrition and dietetics professionals, legal and ethical considerations, educational requirements and career opportunities.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 306 Computer Applications in Nutrition and Dietetics**

*Prerequisite: BMS 240.*

Dietetics majors will be introduced to and learn computer software applications related to food production, nutrition analysis, and computer skills required for the discipline including Nutritionist Pro, Food Processor, PowerPoint, Excel, and Publisher. This course does not count towards a Nutrition minor.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 307 Human Anatomy**

*Prerequisite: C grade or better in BMS 110 and 111 or BIO 121.*

A regional-based lecture and laboratory study of selected human cells, tissues, organs and organ systems. Human cadaver and supplemental models of various regions studied in laboratory. Emphasis is on application of problem solving skills to clinical cases and activities. Cannot receive credit for both BMS 307 and BMS 267-West Plains Campus course. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 308 Human Physiology**

*Prerequisite: C grade or better in BMS 307 or BIO 380; and C grade or better in CHM 116 or CHM 160.*

A study of mechanisms for maintaining homeostasis in the human organism. Topics covered include cellular structure and function, neurophysiology, metabolism, endocrinology, cardiovascular, pulmonary, renal, and gastrointestinal physiology. Emphasis is on cellular and molecular mechanisms of physiology. A grade of C or better is required in this course in order to take BMS 567. Cannot receive credit will both BMS 308 and BMS 268-West Plains course. Cannot be taken Pass/Not Pass.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 310 Nutrition and Physical Activity in Aging**

*Prerequisite: BMS 260 or BMS 308.*

Study of the nutritional requirements and physical activity needs of the elderly with emphasis on cardiorespiratory, musculoskeletal, and metabolic health and disease. Designed for gerontology majors, gerontology minors, and others interested in aging.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 320 Molecular Biology and Metabolism**

*Prerequisite: C or better in BMS 230 or BMS 231.*

Recommended Prerequisite: past or concurrent enrollment in CHM 201 and 202 or CHM 342. An introduction to the types and consequences of small and large molecular interactions in the living cell with an emphasis on the integrated metabolic exchanges of information, energy, and materials among cellular compartments. Cannot receive credit for both BMS 320 and BMS 321.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 321 Biomolecular Interactions**

*Prerequisite: C grade or better in BMS 231.*

Recommended Prerequisite: concurrent enrollment in CHM 342. Concentration is on the major classes of biomolecules (proteins, nucleic acids, carbohydrates, and lipids) important in cell and molecular biology that signal, control, and regulate cellular function and the coordination of these interactions. Other topics include: biosynthesis and catabolism of biological macromolecules and related topics in biotechnology, biological nanotechnology and molecular medicine. Laboratory emphasizes hands-on experience with current techniques in biomolecular science. Cannot receive credit for both BMS 320 and BMS 321. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BMS 322 Laboratory Methods in the Biomedical Sciences**

*Prerequisite: BMS 320.*

This laboratory course familiarizes students with the instrumentation, proper laboratory techniques, and analytical procedures that are used in the biomedical sciences. Cannot receive credit for both BMS 321 and BMS 322.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BMS 330 Food Selection and Preparation for Health**

*Prerequisite: BMS 240 or concurrent enrollment.*

Selection and preparation of food that supports optimum health. Food and nutrition information on grocery shopping, dining out, preparation of meals, snacks, and special occasion foods. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 331 Food Science**

*Prerequisite: BMS 240 and BMS 330; and CHM 201.*

Experimental approach to the study of physical and chemical factors influencing food quality during processing, preparation and storage. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**BMS 332 Food and Culture**

*Prerequisite: BMS 240.*

Exploration of ethnic, religious and regional influences on nutrition and health status, including the role of diet in traditional health beliefs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 333 Nutrition Throughout the Life Span**

*Prerequisite: BMS 240.*

Factors that influence nutrient requirements during pregnancy, lactation, infancy, childhood, adolescence and aging. Recommendations for food intake based upon assessment of case studies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 334 Introduction to Nutrition Assessment and Sports Nutrition**

*Prerequisite: BMS 240.*

This course is designed to help students and practitioners understand how nutrients affect health and athletic performance as well as the role of diet in performance and in disease prevention. Nutrition assessment of anthropometric, biochemical, clinical and dietary factors will be covered as to their application to sport and performance. Basic meal planning for athletes and a general introduction to sports supplements will also be taught. This is a course for non-dietetics majors and does not meet any requirements for the Dietetics major. This course may be used for the Nutrition minor.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 335 Nutritional Assessment**

*Prerequisite: BMS 240.*

Methods used to assess the nutritional status of individuals and populations. Interpretation of anthropometric, biochemical, clinical and dietary data as a basis for recommending nutritional care.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 338 Food Safety Certification**

*Prerequisite: BIO 210.*

Sanitation policies and procedures for dietitians, food service professionals, restaurant owners and foodservice employees. Includes chemical, biological, and physical food hazards, basics of food safety systems including HACCP, methods of safe food handling, equipment cleaning and sanitizing, and controlling pests. A passing score on the National ServSafe Food Safety Certification examination is required for a "C" or better in this course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 340 Nutrition Education and Communications**

*Prerequisite: BMS 240; and BMS 330 or concurrent enrollment; and PSY 121.*

Application of educational theories and techniques to nutrition education. Emphasis on subject matter and skills necessary to develop, implement, evaluate and document nutrition education sessions for individuals and groups utilizing a variety of communication methods. Development of nutrition educational materials.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 345 World Hunger**

*Prerequisite: BMS 240 or AGR 100.*

Global issues related to hunger and nutrition including sustainability, inequity, food production, malnutrition, biotechnology, ecological destruction, population growth, globalization, and aid. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 380 Cooperative Education in Biomedical Sciences**

*Prerequisite: permission of instructor.*

Provides the opportunity to earn academic credit by participation in supervised work experience. A variable content course that may be repeated to a maximum of 6 semester hours. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BMS 390 The Exchange System**

*Prerequisite: BMS 240.*

This series of classes is designed to assist the dietetics student in understanding the use of the Exchange System and Carbohydrate Counting in the dietetics profession, as well as being able to apply MyPlate and nutrient content of foods to the creation of menus. These courses may be used as a one-hour course that will count towards the Nutrition minor. It is not required for the Dietetics major but may be quite beneficial. Variable content course. With different topics, may be repeated up to 2 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 391 Home Food Preservation**

This series of classes is designed to teach students the basics of food science as applied to home food preservation at varying times of the year utilizing what is in season. Students will utilize a variety of home canning equipment and a wide variety of fruits and vegetables in the production of different home food preservation projects. Variable content course. With different topics, may be repeated up to 4 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BMS 392 The Mediterranean Diet**

*Prerequisite: permission.*

This is an Intersession international study away class that requires travel to a Mediterranean country to study the Mediterranean diet. The instructor and students will travel to an identified country and students will complete assignments based on the food and culture of the region and attend experiences related to food and health. Tour is provided by an outside vendor and fees are collected by the vendor and course fees by the Study Away Office. Variable content course. With travel to different countries/regions, may be repeated up to 4 hours. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 395 Nutrition Intervention in Eating Disorders**

*Prerequisite: BMS 240.*

This course is designed to assist the dietetics student in understanding the current guidelines for the different types of eating disorders (EDO) and how the Registered Dietitian (RD) may assist in their treatment. This course may be helpful to the practicing RD if they do not have a background in psychology of eating disorders. Students in related disciplines will be able to understand eating disorders and the role the dietitian would play as a member of the team.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BMS 396 Alcohol, Addiction, and Nutrition**

*Prerequisite: BMS 240.*

This course is designed to assist the dietetics student in understanding the use and abuse of alcohol and other substances in the American diet and nutrition interventions that may be needed.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BMS 397 Topics in Heart Healthy Cooking**

Selected topics on heart healthy cooking techniques. Variable content course. Course may be repeated to a maximum of 6 hours provided topics are different. Supplemental course fee (variable by section).

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 400 International Service Learning: Malnutrition in Developing Countries**

*Prerequisite: 30 hours and permission of instructor.*

The integrated service learning component for this course incorporates international community service with classroom instruction in nutrition specifically focusing on malnutrition and nutrition education in a developing country. This course provides an integrative learning experience addressing the practice of citizenship and promotes an awareness of and participation in international public affairs. Includes 15 service hours benefiting an international community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments in available from the instructor and the Citizenship and Service Learning Office. May be repeated for a maximum of six hours. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BMS 405 Clinical Practicum: Preventive and Rehabilitative Exercise**

*Prerequisite: BMS 567 or KIN 369 and permission of department head.*

Field experience in a comprehensive health enhancement organization under the supervision of a certified preventive and rehabilitative program director. Students are assigned to Hammons Heart Institute. May be repeated for credit to a maximum of 6 hours. Enrollment is limited. Students planning to participate in the clinical practicum must contact the Biomedical Sciences Department Head during the first two weeks of registration. Graded Pass/Not Pass only.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 430 Sports Nutrition**

*Prerequisite: BMS 240 and BMS 308.*

Nutrition as related to athletic performance and other areas of physical activity, including training and competition nutrition, fluids and hydration, weight management, supplements and ergogenic aids, the child athlete, and eating disorders.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 438 Administrative Dietetics**

*Prerequisite: BMS 240 and BMS 330 and ACC 109 and MGT 340; and BIO 210 or concurrent enrollment.*

Application of managerial processes to the delivery of food to people in a variety of settings. Menu planning; recipe development; food procurement; receiving and storage; food production; quality assurance; personnel selection, training, supervision and evaluation; management of financial resources; equipment selection and layout; computer-assisted management and distribution. Transportation required.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BMS 442 Physiology of the Cell**

*Prerequisite: C grade or better in BMS 307; and BMS 321 or BIO 320 or CHM 352 or CHM 452 or concurrent enrollment.*

The molecular, chemical, membrane and cellular basis of metabolic homeostatic processes in cells, cytoplasmic compartments and primary organ systems. Cannot receive credit for both BMS 308 and BMS 442.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 445 Community Nutrition**

*Prerequisite: BMS 335 and BMS 536 and PLS 101; and must be taken last spring before expected graduation.*

Factors affecting the nutritional status of the community; nutritional assessment and surveillance methodologies; governmental nutrition policies and legislation; community resources. The role of the community dietitian in nutrition program planning, implementation and evaluation. Transportation required.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 450 Introduction to Biomedical Biomechanics**

*Prerequisite: BMS 307.*

Biomechanical fundamentals and principles as they apply to the human organism; description of normal motion emphasizing orthopedic biomechanics and neuromuscular control. May be taught concurrently with OTE 650. Cannot receive credit for both BMS 450 and OTE 650.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 455 Astrobiology**

*Prerequisite: introductory course in BMS or BIO; and introductory course in AST, PHY, CHM or GLG.*

Scientific, technological, and philosophical foundations of astrobiology with emphasis on origins of life, life beyond Earth, and searches for extraterrestrial intelligence (SETI). Content stresses scientific evidence and knowledge, not science fiction.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BMS 460 Biology of HIV/AIDS**

*Prerequisite: BMS 100 and 111 or BMS 110 and 111 or BIO 121 or BIO 101 and 111, and 60 hours.*

Biological aspects of infection by HIV (human immunodeficiency virus) the disease syndrome known as AIDS (acquired human immunodeficiency syndrome) and social response to the disease.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 467 Anatomy and Mechanics of Human Motion**

*Prerequisite: BMS 307.*

Biological analysis of normal articulation and body segment motions, emphasizing neuromuscular control. Biomechanical fundamentals and principles that relate to anatomy of human motion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 490 Peer Instruction in Biomedical Sciences**

*Prerequisite: acceptance into Cell and Molecular Biology, Clinical Laboratory Sciences-Medical Technology, or Dietetics program; and 60 hours; and permission of course director.*

A mentored experience in teaching within the Biomedical Sciences. Students will serve as undergraduate learning assistants (ULAs) in a BMS course along with the instructor and teaching assistants. Students will be required to attend an intersession workshop and weekly sessions for reflection and discussion in addition to their weekly BMS course assignment. Intended for students interested in developing classroom leadership skills. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 494 Senior Seminar in Cell and Molecular Biology**

*Prerequisite: Cell and Molecular Biology major and BMS 521; and 90 hours.*

Discussion of emerging topics and issues in the fields of cell and molecular biology. Opportunity for students to gain skill in oral and written scientific communication, and explore and prepare for employment opportunities, graduate school, and professional programs. Completion of a subject assessment examination and seminar attendance is required. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 497 Topics in Biomedical Sciences I**

*Prerequisite: permission of instructor.*

Selected topics which will vary from semester to semester. Course may be repeated to a maximum of 6 hours by a student provided topics are different. Variable content course. Supplemental course fee (variable by section).

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 498 Undergraduate Research**

*Prerequisite: permission of instructor.*

Individualized and directed research. May be repeated to a maximum of 8 hours. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 499 Projects in the Biomedical Sciences**

*Prerequisite: permission of instructor.*

Supervised experience in an area of the Biomedical Sciences. Course may be taken by students majoring or minoring in an area of the biomedical sciences.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 500 Special Topics in Biomedical Sciences II**

*Prerequisite: permission of department head.*

Selected topics of an advanced nature which will vary from semester to semester. May be repeated by a student for a maximum of 8 hours of credit provided topics are different. May be taught concurrently with BMS 602. Cannot receive credit for both BMS 500 and BMS 602.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BMS 514 Scanning Electron Microscopy**

*Prerequisite: 60 hours.*

An introduction to microsurface analysis using scanning electron microscopy and X-ray microanalysis. Theoretical considerations and laboratory procedures involve both techniques but the major emphasis will be on generation of secondary electron images. Some attention is devoted to backscattered electron imaging, X-ray mapping, stereo pair imaging, and related image processing techniques. May be taught concurrently with BMS 614. Cannot receive credit for both BMS 514 and BMS 614.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BMS 516 Transmission Electron Microscopy**

*Prerequisite: 20 hours in BMS or BIO.*

Demonstration of basic transmission electron microscopy techniques and microscope use. Emphasis is on ultrathin sectioning techniques; additional techniques include support film preparation, negative staining, immunogold localization procedures, and digital processing of photographic prints and negatives. May be taught concurrently with BMS 616. Cannot receive credit for both BMS 516 and BMS 616.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**BMS 520 Medical Cell Biology**

*Prerequisite: C grade or better in BMS 320 or BMS 321.*

Focus on the molecular aspects of cell biology for students in the Nurse Anesthesia program. Content identical to the lecture part of BMS 521. Cannot receive credit for both BMS 520 and 521. May be taught concurrently with BMS 620 . Cannot receive credit for both BMS 520 and BMS 620.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 521 Molecular Cell Biology**

*Prerequisite: C grade or better in BMS 321; and [CHM 201 and 202] or CHM 342.*

Origins, structure and function of cells and basic life processes from a molecular perspective. Major topics focus on the energy, chemical, and information exchanges within and among cells and their environment. Cannot receive credit for both BMS 520 and 521. May be taught concurrently with BMS 622. Cannot receive credit for both BMS 521 and BMS 622. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BMS 524 Virology**

*Prerequisite: C grade or better in BIO 310 or BMS 521.*

The molecular biology and pathogenicity of animal viruses; basic techniques of tissue culture and virology will be performed in the laboratory. May be taught concurrently with BMS 624. Cannot receive credit for both BMS 524 and BMS 624.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 525 Molecular Biology**

*Prerequisite: C grade or better in BMS 521.*

In-depth examination of nucleic acid structure, function, regulation, repair, and mutagenesis; principles of genetic engineering. Laboratory provides experience in the techniques used to isolate, separate, quantitate, characterize, and modify nucleic acids. The course also includes an introduction to the GenBank and EMBL nucleic acid and protein sequence databases. May be taught concurrently with BMS 625 . Cannot receive credit for both BMS 525 and BMS 625. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BMS 528 Molecular Mechanisms of Bacterial Pathogenesis**

*Prerequisite: BMS 521.*

An in-depth study of the methods of genetic control and production of pathogenic factors employed by disease causing bacteria. The course will use both reference material and primary literature to illustrate the topics under discussion. May be taught concurrently with BMS 628. Cannot receive credit for both BMS 528 and BMS 628.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 529 Molecular Genetics**

*Prerequisite: C grade or better in BMS 525.*

Recent advances in the molecular aspects of genetics; mammalian DNA will be characterized and manipulated using modern molecular techniques. May be taught concurrently with BMS 629. Cannot receive credit for both BMS 529 and BMS 629.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BMS 530 Cell Biology of Cancer**

*Prerequisite: C grade or better in BMS 521 or BIO 310 or BIO 320.*

Discussion of the initiation, cellular and genetic events which lead to cancer as well as its prevention, treatment, and personal consequences. An extensive paper and presentation are required. May be taught concurrently with BMS 631. Cannot receive credit for both BMS 530 and BMS 631.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 532 Human Nutrition and Metabolism**

*Prerequisite: BMS 240 and BMS 308; and CHM 201 or concurrent enrollment.*

Food nutrients, their digestion, absorption and metabolism. Methods of determining requirements and interrelationships of nutrients.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 535 Signal Transduction**

*Prerequisite: BMS 521.*

This course will examine the molecular mechanisms of various ligand/receptor interactions. The dynamics involved in ligand/receptor binding will be studied and examples of receptor-mediated signal transduction will be introduced. Signaling pathways within the cell will be discussed. Primary literature and reference materials will be utilized to illustrate specific examples under discourse. May be taught concurrently with BMS 635. Cannot receive credit for both BMS 535 and BMS 635.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 536 Medical Nutrition Therapy I**

*Prerequisite: admission to Dietetics Program; and BMS 335 and BMS 532; and CHM 352 or concurrent enrollment.*

Principles and application of medical nutrition therapy as related to disease and stress. Transportation required.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BMS 539 Senior Seminar in Dietetics**

*Prerequisite: admission to the Dietetics Program, and must be taken last fall before expected graduation.*

Procedures and application process for obtaining professional status through dietetic registration and licensure. Professional ethics and legal responsibilities. Strategies for integration of current issues into dietetic practice.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BMS 540 Biotechnology**

*Prerequisite: C grade or better in BMS 321 or BIO 310 or BIO 320 or CHM 352.*

The applications of the methodologies of cell and molecular biology in the rapidly-evolving biotechnology and biopharmaceutical industries with an emphasis on the major sectors involving human therapeutics, human diagnostics, and genomics. Cell and molecular biology technologies adapted to mass production techniques to produce the products of biotechnology are surveyed. Typical pathways of product development from original basic research, product inception, clinical trials, regulatory approval, and commercialization are covered. Students will examine the current programs of the research and development of selected biotechnology and big pharmaco corporations. May be taught concurrently with BMS 640. Cannot receive credit for both BMS 540 and BMS 640.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 542 Physiology of Organ Systems**

*Prerequisite: C grade or better in BMS 442.*

Course will continue the investigation of human physiology by organ system including the cardiovascular and respiratory systems as well as mechanisms of body defense.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 546 Medical Nutrition Therapy II**

*Prerequisite: BMS 536.*

Principles and application of medical nutrition therapy as related to complex disease states. Transportation required.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 550 Nutrition Counseling**

*Prerequisite: BMS 340; and BMS 536 or concurrent enrollment.*

Interviewing techniques, counseling theory and methods applied to nutrition counseling. Emphasis on development of skills necessary to plan, implement, evaluate and document culturally sensitive nutritional care for individuals and groups. Includes simulated techniques and work with clients in selected settings.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 558 Recombinant DNA Techniques**

*Prerequisite: C grade or better in BMS 525.*

A laboratory intensive course designed to extend the molecular biology principles and current techniques used in gene cloning, site-directed mutagenesis, transformation of eukaryotic cells, designing gene expression vectors, performing molecular hybridization techniques, confirming gene expression through reverse transcriptase PCR, and DNA sequencing. Supplemental course fee. May be taught concurrently with BMS 658. Cannot receive credit for both BMS 558 and BMS 658.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**BMS 561 Medical and Pathologic Physiology**

*Prerequisite: "C" grade or better in BMS 308 or BMS 542.*

A study of physiological dysfunction in human disease with consideration of disease etiology, diagnosis, clinical interpretation, and treatment. Designed for students and professionals in the health sciences. May be taught concurrently with BMS 661. Cannot receive credit for both BMS 561 and BMS 661.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 562 Medical and Pathologic Physiology Laboratory**

*Prerequisite: permission of instructor.*

Experience using laboratory techniques and case studies to enhance knowledge of pathophysiology. May be taught concurrently with BMS 660. Cannot receive credit for both BMS 562 and BMS 660.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 563 Advanced Work Physiology**

*Prerequisite: C grade or better in BMS 308; and C grade or better in BMS 567 or KIN 362.*

Review of cellular metabolism, energy transfer, and oxygen transport during work; excitation-contraction coupling in skeletal muscle; physiological mechanisms of fatigue; neuroendocrine regulation of metabolism and other responses to work; environmental factors in work performance. Emphasis on molecular and cellular mechanisms and contemporary research. May be taught concurrently with BMS 663. Cannot receive credit for both BMS 563 and BMS 663.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 564 Molecular Endocrinology and Reproductive Physiology**

*Prerequisite: BMS 308; and either BMS 321 or CHM 352.*

A detailed examination of the physiological, cellular and molecular aspects of human reproduction with particular emphasis on the endocrine aspects of reproduction. May be taught concurrently with BMS 564. Cannot receive credit for both BMS 564 and BMS 664.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BMS 565 Human Cardiopulmonary Physiology**

*Prerequisite: C grade or better in BMS 308 or BMS 542; and either BMS 321 or CHM 352.*

A cellular and molecular study of human cardiovascular and respiratory physiology and related human diseases. Emphasis will be on the molecular mechanisms for normal and abnormal functions of the blood, the blood vessels, the heart, the respiratory tract, and the lung. Current research topics and results will be introduced and discussed. May be taught concurrently with BMS 665. Cannot receive credit for both BMS 565 and BMS 665.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 567 Physiology of Exercise Metabolism**

*Prerequisite: C grade or better in BMS 240 and C grade or better in BMS 308.*

Introduction to the study of human metabolic and work physiology. Digestion, absorption, and metabolism of biologically important nutrients as they affect cellular energy transfer; mechanisms of energy transfer in cells during various forms of work; oxygen transport and utilization at the cellular and system level; factors modifying the efficiency of human work performance. Cannot be taken Pass/Not Pass. May be taught concurrently with BMS 667. Cannot receive credit for both BMS 567 and BMS 667.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 568 Physiology of the Human Gastrointestinal and Urinary Systems**

*Prerequisite: BMS 308; and either BMS 321 or CHM 352.*

Structure and function of the gastrointestinal and urinary systems including pathophysiology of common clinical conditions. May be taught concurrently with BMS 668. Cannot receive credit for both BMS 568 and BMS 668.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BMS 569 Neurobiology**

*Prerequisite: C grade or better in BMS 308 or BMS 542.*

Study of the mammalian nervous system including anatomy and principles of function. May be taught concurrently with BMS 669. Cannot receive credit for both BMS 569 and BMS 669.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 570 Principles of Pharmacology**

*Prerequisite: C grade or better in BMS 308 or BMS 542.*

Recommended Prerequisite: BMS 521. Overview of the aspects of pharmacology including: pharmacodynamics, pharmacokinetics, pharmacogenomics, drug selectivity, toxicity, metabolism, drug development, and drug regulation. Additionally, an overview of the major classification of drugs and their mechanisms of action will be presented. May be taught concurrently with BMS 670. Cannot receive credit for both BMS 570 and BMS 670.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 582 Embryology**

*Prerequisite: C grade or better in BMS 307 or BIO 380.*

A study of anatomical changes during early animal development with emphasis on vertebrates. Lecture emphasis is on the cellular and subcellular mechanisms that may explain normal development, especially with regard to fertilization and morphogenesis. Laboratory emphasis on the normal development of live and preserved vertebrate embryos. Meets the embryology requirements for students in pre-professional medical, dental, and allied health curricula, as well as any student requiring a background in embryology. May be taught concurrently with BMS 682. Cannot receive credit for both BMS 582 and BMS 682.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**BMS 584 Molecular Mechanisms in Animal Development**

*Prerequisite: BMS 521 or BIO 320.*

An overview of the relationship between the anatomy of developing embryos and fundamental molecular mechanisms that generate this morphology, with an emphasis on vertebrates. Some invertebrate systems will be presented. Selected topics will include cell signaling during fertilization, gene activity in early development, cytoskeleton dynamics during morphogenesis, cell-cell adhesion, master pattern genes, and regulated cell death. May be taught concurrently with BMS 686. Cannot receive credit for both BMS 584 and BMS 686.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 585 Histology**

*Prerequisite: BMS 307 or BIO 380.*

Microscopic structure of cells, tissues, and organ systems, with special emphasis on human tissues. Extensive laboratory experience with interpretation of structures in stained tissues mounted on microslides. Recommended for students in medical, dental, optometric, and other preprofessional curricula, medical technology, cell and molecular biology, and zoology. May be taught concurrently with BMS 688. Cannot receive credit for both BMS 585 and BMS 688.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BMS 593 Bioinformatics and Biomedical Resources**

*Prerequisite: C or better in BMS 321.*

Use of biomedical source materials and methods of data access, selection, organization, and evaluation. May be taught concurrently with BMS 693. Cannot receive credit for both BMS 593 and BMS 693.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 595 Introduction to Research in Dietetics**

*Prerequisite: completion of 90 hours of coursework, including BMS 335, BMS 532, and statistics; QBA 237 or SOC 302 or PSY 200 or MTH 340 or MTH 545.*

Fundamentals of research in nutrition including research design, methodology, data collection and analysis, and presentation. Grant writing and funding process for research. Class discussions to include critiques of published research. Class projects to include research proposal/project and presentation.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 599 Health Literacy in the Human Services**

*Prerequisite: junior standing and permission of instructor.*

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect interactions with health and human services professionals. Includes an examination of the data for national and international literacy levels and populations at risk for low literacy; research on health literacy; assessment tools; and practical techniques for addressing literacy issues in spoken and written communications at the practitioner and organizational levels. Identical with SWK 599. Cannot receive credit for both BMS 599 and SWK 599.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 602 Special Topics in Biomedical Sciences II**

*Prerequisite: permission of department head.*

Selected topics of an advanced nature which will vary from semester to semester. May be repeated by a student for a maximum of 8 hours of credit provided topics are different. May be taught concurrently with BMS 500. Cannot receive credit for both BMS 500 and BMS 602.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BMS 614 Scanning Electron Microscopy**

An introduction to microsurface analysis using scanning electron microscopy and X-ray microanalysis. Theoretical considerations and laboratory procedures involve both techniques but the major emphasis will be on generation of secondary electron images. Some attention is devoted to backscattered electron imaging, X-ray mapping, stereo pair imaging, and related image processing techniques. May be taught concurrently with BMS 514. Cannot receive credit for both BMS 514 and BMS 614.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BMS 616 Transmission Electron Microscopy**

Demonstration of basic transmission electron microscopy techniques and Microscope use. Emphasis is on ultrathin sectioning techniques; additional techniques include support film preparation, negative staining, immunogold localization procedures, and digital processing of photographic prints and negatives. May be taught concurrently with BMS 516 . Cannot receive credit for both BMS 516 and BMS 616.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**BMS 620 Medical Cell Biology**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Focus on the molecular aspects of cell biology for students in the Nurse Anesthesia program. Content identical to the lecture part of BMS 622. Cannot receive credit for both BMS 620 and 622. May be taught concurrently with BMS 520. Cannot receive credit for BMS 520 and BMS 620.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 622 Molecular Cell Biology**

*Prerequisite: permission of instructor.*

Origins, structure and function of cells and basic life processes from a molecular perspective. Major topics focus on the energy, chemical, and information exchanges within and among cells and their environment. Cannot receive credit for both BMS 620 and 622. May be taught concurrently with BMS 521. Cannot receive credit for BMS 521 and BMS 622. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BMS 624 Virology**

*Prerequisite: BMS 622.*

The molecular biology and pathogenicity of animal viruses; basic techniques of tissue culture and virology will be performed in the laboratory. May be taught concurrently with BMS 524. Cannot receive credit for BMS 524 and BMS 624.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 625 Molecular Biology**

*Prerequisite: permission of the instructor.*

In-depth examination of nucleic acid structure, function, regulation, repair, and mutagenesis; principles of genetic engineering. Laboratory provides experience in the techniques used to isolate, separate, quantitate, characterize, and modify nucleic acids. The course also includes an introduction to the GenBank and EMBL nucleic acid and protein sequence databases. May be taught concurrently with BMS 525. Cannot receive credit for BMS 525 and BMS 625. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BMS 628 Molecular Mechanisms of Bacterial Pathogenesis**

*Prerequisite: BMS 622.*

An in-depth study of the methods of genetic control and production of pathogenic factors employed by disease causing bacteria. The course will use both reference material and primary literature to illustrate the topics under discussion. May be taught concurrently with BMS 528. Cannot receive credit for both BMS 528 and BMS 628.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BMS 629 Molecular Genetics**

*Prerequisite: BMS 625.*

Recent advances in the molecular aspects of genetics; mammalian DNA will be characterized and manipulated using modern molecular techniques. May be taught concurrently with BMS 529. Cannot receive credit for both BMS 529 and BMS 629.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BMS 631 Cell Biology of Cancer**

*Prerequisite: BMS 622.*

Discussion of the initiation, cellular and genetic events which lead to cancer as well as its prevention, treatment, and personal consequences. An extensive paper and presentation are required. May be taught concurrently with BMS 530. Cannot receive credit for both BMS 530 and BMS 631.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 635 Signal Transduction**

*Prerequisite: BMS 622.*

This course will examine the molecular mechanisms of various ligand/receptor interactions. The dynamics involved in ligand/receptor binding will be studied and examples of receptor-mediated signal transduction will be introduced. Signaling pathways within the cell will be discussed. Primary literature and reference materials will be utilized to illustrate specific examples under discourse. May be taught concurrently with BMS 535. Cannot receive credit for both BMS 535 and BMS 635.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 640 Biotechnology**

*Prerequisite: permission of instructor.*

The applications of the methodologies of cell and molecular biology in the rapidly-evolving biotechnology and biopharmaceutical industries with an emphasis on the major sectors involving human therapeutics, human diagnostics, and genomics. Cell and molecular biology technologies adapted to mass production techniques to produce the products of biotechnology are surveyed. Typical pathways of product development from original basic research, product inception, clinical trials, regulatory approval, and commercialization are covered. Students will examine the current programs of the research and development of selected biotechnology and big pharmaco corporations. May be taught concurrently with BMS 540. Cannot receive credit for both BMS 540 and BMS 640.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 645 Clinical Gross Anatomy**

*Prerequisite: admission to Master of Occupational Therapy program.*

The course offers in-depth coverage of basic, applied and clinical aspects of gross anatomy. An advanced musculoskeletal anatomy course that emphasizes the study of functional relationships between musculature, nervous tissue, vascular and skeletal components for the extremities and axial skeleton: Cadaver dissection laboratory experience is used to enhance understanding of three dimensional anatomical relationships for specific body regions. Students observe, discuss, teach, learn and dissect all body systems in detail. This course incorporate traditional didactic lectures, discussions, laboratory dissection, students teaching students (peer-teaching) in laboratory sessions and assignments that rely on critical thinking. Supplemental course fee. Identical with OTE 645. Cannot receive credit for both BMS 645 and OTE 645.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 6

**Typically offered:** Summer
Projected offerings

**BMS 658 Recombinant DNA Techniques**

*Prerequisite: C grade or better in BMS 625.*

A laboratory intensive course designed to extend the molecular biology principles and current techniques used in gene cloning, site-directed mutagenesis, transformation of eukaryotic cells, designing gene expression vectors, performing molecular hybridization techniques, confirming gene expression through reverse transcriptase PCR, and DNA sequencing. Supplemental course fee. May be taught concurrently with BMS 558. Cannot receive credit for both BMS 558 and BMS 658.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**BMS 660 Medical and Pathologic Physiology Laboratory**

*Prerequisite: admission to MS in Cell and Molecular Biology Program.*

Experience using laboratory techniques and case studies to enhance knowledge of pathophysiology. May be taught concurrently with BMS 562. Cannot receive credit for both BMS 562 and BMS 660.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 661 Medical and Pathologic Physiology**

*Prerequisite: admission to MS in Cell and Molecular Biology Program.*

A study of physiological dysfunction in human disease with consideration of disease etiology, diagnosis, clinical interpretation, and treatment. Designed for students and professionals in the health sciences. May be taught concurrently with BMS 561. Cannot receive credit for both BMS 561 and BMS 661.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 663 Advanced Work Physiology**

Review of cellular metabolism, energy transfer, and oxygen transport during work; excitation-contraction coupling in skeletal muscle; physiological mechanisms of fatigue; neuroendocrine regulation of metabolism and other responses to work; environmental factors in work performance. Emphasis on molecular and cellular mechanisms and contemporary research. May be taught concurrently with BMS 563. Cannot receive credit for both BMS 563 and BMS 663.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 664 Molecular Endocrinology and Reproductive Physiology**

A detailed examination of the physiological, cellular and molecular aspects of human reproduction with particular emphasis on the endocrine aspects of reproduction. May be taught concurrently with BMS 564. Cannot receive credit for both BMS 564 and BMS 664.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BMS 665 Human Cardiopulmonary Physiology**

*Prerequisite: admission to MS in Cell and Molecular Biology program.*

A cellular and molecular study of human cardiovascular and respiratory physiology and related human diseases. Emphasis will be on the molecular mechanisms for normal and abnormal functions of the blood, the blood vessels, the heart, the respiratory tract, and the lung. Current research topics and results will be introduced and discussed. May be taught concurrently with BMS 565. Cannot receive credit for both BMS 565 and BMS 665.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 667 Physiology of Exercise Metabolism**

Introduction to the study of human metabolic and work physiology. Digestion, absorption, and metabolism of biologically important nutrients as they affect cellular energy transfer; mechanisms of energy transfer in cells during various forms of work; oxygen transport and utilization at the cellular and system level; factors modifying the efficiency of human work performance. May be taught concurrently with BMS 567. Cannot receive credit for both BMS 567 and BMS 667.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BMS 668 Physiology of the Human Gastrointestinal and Urinary Systems**

Structure and function of the gastrointestinal and urinary systems including pathophysiology of common clinical conditions. May be taught concurrently with BMS 568. Cannot receive credit for both BMS 568 and BMS 668.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BMS 669 Neurobiology**

*Prerequisite: permission of instructor.*

Study of the mammalian nervous system including anatomy and principles of function. May be taught concurrently with BMS 569. Cannot receive credit for both BMS 569 and BMS 669.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 670 Principles of Pharmacology**

*Prerequisite: permission of instructor.*

Recommended Prerequisite: BMS 622. Overview of the aspects of pharmacology including: pharmacodynamics, pharmacokinetics, pharmacogenomics, drug selectivity, toxicity, metabolism, drug development, and drug regulation. Additionally, an overview of the major classification of drugs and their mechanisms of action will be presented. May be taught concurrently with BMS 570. Cannot receive credit for both BMS 670 and BMS 570.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 682 Embryology**

Recommended Prerequisite: human anatomy. A study of anatomical changes during early animal development with emphasis on vertebrates. Lecture emphasis is on the cellular and subcellular mechanisms that may explain normal development, especially with regard to fertilization and morphogenesis. Laboratory emphasis on the normal development of live and preserved vertebrate embryos. Meets the embryology requirements for students in pre-professional medical, dental, and allied health curricula, as well as any student requiring a background in embryology. May be taught concurrently with BMS 582. Cannot receive credit for both BMS 582 and BMS 682.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**BMS 686 Molecular Mechanisms in Animal Development**

An overview of the relationship between the anatomy of developing embryos and fundamental molecular mechanisms that generate this morphology, with an emphasis on vertebrates. Some invertebrate systems will be presented. Selected topics will include cell signaling during fertilization, gene activity in early development, cytoskeleton dynamics during morphogenesis, cell-cell adhesion, master pattern genes, and regulated cell death. May be taught concurrently with BMS 584. Cannot receive credit for both BMS 584 and BMS 686.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 688 Histology**

Microscopic structure of cells, tissues, and organ systems, with special emphasis on human tissues. Extensive laboratory experience with interpretation of structures in stained tissues mounted on microslides. Recommended for students in medical, dental, optometric, and other preprofessional curricula, medical technology, cell and molecular biology, and zoology. May be taught concurrently with BMS 585. Cannot receive credit for both BMS 585 and BMS 688.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BMS 693 Bioinformatics and Biomedical Resources**

*Prerequisite: permission of instructor.*

Use of biomedical source materials and methods of data access, selection, organization, and evaluation. May be taught concurrently with BMS 593. Cannot receive credit for both BMS 593 and BMS 693.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 700 Introduction to Graduate Studies in the Biomedical Sciences**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

Study of the researcher role, the research process, and research ethics relating to the biomedical sciences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 701 Research in the Biomedical Sciences**

*Prerequisite: admission to MS in Cell and Molecular Biology program; and statistics: MTH 645 or BIO 650 or PSY 711 or PBH 730 or concurrent enrollment in statistics.*

Focus on research skills, scientific writing, and professional development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 707 Medical Human Anatomy**

*Prerequisite: admission to the Cell and Molecular Biology graduate program.*

This course offers an in-depth coverage of basic, applied, and clinical aspects of gross anatomy. Students observe, discuss, teach, learn, and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students in laboratory teaching sessions, and assignments that rely on critical thinking. Students make oral presentations and use the library and other sources of information (such as the Internet and our Computer Laboratory) to learn and teach applied gross anatomy. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 3
**Lab contact hours:** 10

**Typically offered:** Fall
Projected offerings

**BMS 711 Microbial Genetics**

*Prerequisite: BMS 622.*

Course is designed to investigate various aspects of microbial genetics using advanced laboratory techniques. Experiments may include DNA and plasmid isolation and characterization, mutagenesis, transformation, transduction and conjugation of bacteria.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 717 Medical Human Anatomy and Radiology**

*Prerequisite: admission to the Physician Assistant Studies program.*

Regional study of the human body. Course will include lecture and laboratory activities including cadaver dissection, study of anatomic models, computer images, x-ray, CAT scan and MRI, and ultrasound imaging. Identical with PAS 717. Cannot receive credit for both BMS 717 and PAS 717. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 3
**Lab contact hours:** 11

**Typically offered:** Spring
Projected offerings

**BMS 726 Advanced Topics in Cell and Molecular Biology**

*Prerequisite: permission of instructor.*

Focused or detailed consideration of advanced or timely topics in cell and molecular biology. May involve group discussion from another institution or represent individual study. Credit for BMS 726 may be given for electronic and distance learning courses available via the Internet with the approval of the cell and molecular biology faculty who will determine the credit hours and topic title. Variable content course. May be repeated up to 6 hours when topic varies.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 727 Human Gross Anatomy**

In-depth study of the gross anatomy of the human body in areas of interest relating to administration of anesthesia. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**BMS 728 Human Neurophysiology and Anatomy**

*Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.*

This is a blended course designed for a study of human neuroanatomy and neurobiology with emphasis on understandings of pain sensation and perception. Lecture is focused on fundamental structure and function of central nerve system and peripheral nerve system with respect to pain followed by understandings of its regulatory mechanisms and pathological pain. The lecture portion incorporated non-traditional online lectures and discussion in classroom. Laboratory offers hands-on learning opportunities with emphasis on pain-related Gross Anatomy and pain management. Students observe, discuss, teach, and learn about the human nervous system in a cooperative learning environment. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BMS 730 Current Literature Topics**

*Prerequisite: admission to MS in Cell and Molecular Biology program.*

A weekly forum of faculty and graduate students to discuss reports in the current literature from cell, molecular, and developmental biology. Participants are assigned to report on developments in their specialty or area of interest and provide background for understanding the basis and significance of the report to others in the group. May be repeated. Required each regular semester for full time students.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BMS 732 Clinical Preventive Medicine**

*Prerequisite: permission of instructor.*

A review of current scientific evidence regarding effective screening tests and interventions to improve health status.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 742 Organ Physiology**

*Prerequisite: BMS 620 or BMS 622 and admission to the Cell and Molecular Biology graduate program or Doctor of Nurse Anesthesia Practice program.*

Course is the study of the human cardiovascular and respiratory physiology and related human diseases. Emphasis is on the normal and abnormal functions of the heart, lungs and vascular systems. Consideration of disease etiology, diagnosis and clinical interpretation of the cardiopulmonary and vascular systems. Current research topics will be introduced and discussed.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 752 Medical Physiology**

*Prerequisite: admission to Physician Assistant Studies program or Doctor of Physical Therapy program or MS in Cell and Molecular Biology program.*

The study of biological function of the human organism. Emphasis will be placed on mechanisms and regulation using examples focusing on the field of medicine. Topics covered will include general cell function, neural, endocrine, cardiovascular, respiratory, gastrointestinal and renal physiology and regulation of acid-base balance. The course stresses the interrelated functions of the body systems in homeostasis and builds on this knowledge to introduce how disease alters the homeostatic controls.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BMS 784 Developmental Genetics**

*Prerequisite: BMS 625.*

A study of developmental gene families, their expressions as related to the normal and abnormal development of form and structure, and their intrinsic and extrinsic regulation in various animal model systems, including humans. Specific gene-programmed and gene regulated mechanisms such as those regulating pattern formation, triggering cell differentiation, initiating regeneration (as it applies to specific tissues and organs), controlling apoptosis, and determining rates of cellular and organismal aging are included.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BMS 785 Histology and Tissue Biology**

*Prerequisite: admission to MS in Cell and Molecular Biology program.*

This course emphasizes the structure and basic function of all the major tissues and cell types in the human body. It includes normal cell and tissue morphology and the adaptations that occur as a result of various stimuli both normal and abnormal.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BMS 797 Non-Thesis Project**

*Prerequisite: permission of instructor.*

In-depth study in an area of interest, culminating in a presentation of an extensive scholarly paper. Graded Pass/Not Pass Only.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 798 Research**

*Prerequisite: permission of instructor.*

Application of the research process in the supervised study of a selected problem. May be repeated for a maximum of 6 hours. Graded Pass/Not Pass only.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BMS 799 Thesis**

*Prerequisite: permission of instructor.*

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated for a maximum of 6 hours. Graded Pass/Not Pass only.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

## Dietetics and Nutrition (DTN) courses

**DTN 740 Medical Nutrition Therapy I Practicum**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This is the first of a two-semester course sequence providing field experience in patient/client nutritional management at various sites under professional supervision (37 hours per week). Emphasis will be on utilizing the nutrition care process in providing basic medical nutrition therapy to include at least diabetes, heart disease, lung disease and basic health promotion in an acute or clinical setting.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**DTN 741 Medical Nutrition Therapy II Practicum**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This is the second of a two-semester course sequence providing eight weeks of field experience in patient/client nutritional management at various sites under professional supervision (40 hours per week). Emphasis will be on utilizing the nutrition care process in providing medical nutrition therapy to include at least tube feeding, TPN, pre/post surgery patients in an acute or clinical setting with a research component required as part of the practicum.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**DTN 742 Public Health Nutrition Practicum**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This course provides a six week field experience in the delivery of public health and community nutrition programs at local, state, national levels at various sites under professional supervision (37 hours per week). Current issues relating to the promotion of good nutrition and preventive health care will be examined. Students will evaluate nutrition components of various community health agencies and participate in the delivery of services.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**DTN 743 Food Service Management Practicum**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This course provides a five week field experience (37 hours per week) practicing a systems approach to nutrition services management, including the human dimensions of management, management tools and techniques for assessing accountability, cost containment, productivity and marketing plans. Projects include development of a personnel and operational budget for nutrition services.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**DTN 744 Practicum in Area of Concentration**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This course provides a six week field experience (40 hours per week) in either Public Affairs or Rural Health. Field placements and experiences will be developed with each student and the program director.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**DTN 745 Topics and Issues in Dietetics**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This course provides a six week forum (3 hours per week) for topics pertinent to the practice setting and transition to professional practice. Topics of interest will cover areas such as managed health care, ethical decision-making, registration examination, charting, etc. May be repeated to 3 hours.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Interprofessional Education (IPE) courses

**IPE 375 Introduction to Interprofessional Health Care**

This course provides an introduction to interprofessional health care education and collaborative practice for students in health professions programs. Topics include the history of interprofessional health care education in the U.S. and internationally, philosophical and theoretical foundations, and competencies required for effective collaboration to improve health care outcomes. Students explore the roles of various health professions in collaborative patient/client, family, and community health care.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**IPE 376 Cultural Competence in Health Care**

*Prerequisite: Health Services major or permission.*

This course is designed to assist the Health Services major explore, understand, and appreciate issues and challenges that can be encountered in the healthcare setting working with cultural and ethnically diverse patient populations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**IPE 377 Global Issues in Health Services**

*Prerequisite: Health Services major; PLS 101 or Missouri Constitution Study requirement met or permission.*

This course is designed to introduce students in the Health Services major to the principal health systems of the world's populations, and major challenges to improving health globally. Students will explore interdisciplinary factors accounting for health patterns that impact global health, health care delivery systems worldwide, and the governmental, economic, social and political forces that influence them.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**IPE 378 Healthcare Quality Management**

This course provides a survey of the basic principles and techniques of quality management in healthcare including high-reliability concepts that help organizations achieve safety, quality, and efficiency goals. The course will examine a range of topics from measuring performance to creating high-quality services that represent excellence in a healthcare organization.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**IPE 470 Foundations of Patient Safety for Health Professionals**

*Prerequisite: IPE 375 or concurrent enrollment.*

This course provides a foundation for patient safety and health care quality improvement for students in the health professions with an emphasis on the roles of both individuals and systems. Topics include: the scope of the problem, terminology and basic concepts of safety systems, patient safety interventions, measuring and reporting safety, incident investigations, institutional responses to adverse events, communication and teamwork, and models to improve patient safety.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**IPE 475 Evidence-Based Health Care Practice**

*Prerequisite: IPE 375.*

This course will enable students to develop the analytical and critical thinking skills necessary to assess the scientific literature, clinical guidelines, and other information resources needed to integrate evidence into practice to improve health care outcomes. Working in interprofessional teams, students will formulate interprofessional health care questions, identify articles and other evidence-based resources, critically appraise the evidence to assess validity, and communicate the evidence to others.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**IPE 575 Collaborative Health Care Leadership**

*Prerequisite: senior standing; and IPE 375.*

This course explores theories, models and responsibilities of leadership within an interprofessional health care context. Students apply leadership practices that support collaborative practice and synthesize prior learning to plan, implement, and evaluate a health project designed to improve patient/client health outcomes. Students document and communicate results in written report and oral presentation. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

## Medical Technology (MTC) courses

### MTC 401 Clinical Chemistry

Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents, utilizing both manual and instrumental techniques including automation and special procedures.

**Credit hours:** 9-12
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

### MTC 402 Clinical Microscopy-Urinalysis

Principles and techniques of the physical, chemical and microscopic examination of urine and other excreta as related to disease processes.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

### MTC 403 Hematology-Coagulation

A study of the cellular element of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation and hemorrhagic disorders.

**Credit hours:** 4-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

### MTC 404 Serology-Immunology

The science of immunity including antibody development, principles of antigen-antibody interactions, and techniques of serological testing for various disease states.

**Credit hours:** 3-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

### MTC 405 Clinical Microbiology

Sterile technique, methods of handling and inoculating specimens containing pathogenic microorganisms, isolation and identification of pathogenic microorganisms, laboratory test in chemotherapy, and diagnostic bacteriology, mycology, and parasitology.

**Credit hours:** 7
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

### MTC 406 Blood Bank-Immunohematology

A study of blood group systems and the immune response. Methods of cross-matching, antibody screening, and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components.

**Credit hours:** 3-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

### MTC 407 Special Topics in Medical Technology-Education and Management

Instruction will include lecture and/or clinical practice in the areas of In-Service Education, Management and Supervision, Research and Development, and Principles and Techniques of the Instructional Process.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

MAKE YOUR MISSOURI STATEMENT™

# Biomedical Sciences

## Minor(s)

### Biomedical Sciences

Bachelor of Arts
Required Courses: BMS 110(3), 111(1); 230(3) or 231(4); 307(4), 308(4). BIO 101, 102 or 111 will *not* count toward the minor.

### Biomedical Sciences

Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Nursing

A. Required Courses: BMS 110(3), 111(1); 230(3) or 231(4); 307(4), 308(4)

B. Choose Biomedical Sciences electives to bring total hours in the minor to at least 20 hours. BIO 101, 102 or 111 will *not* count toward the minor.

# Cell and Molecular Biology

## Major(s)

### Cell and Molecular Biology (Comprehensive)

Bachelor of Science
The comprehensive major in Cell and Molecular Biology (CMB), is a rigorous and selective program in the sciences that prepares academically-serious students for:

1. graduate work in cell biology or molecular biology,
2. graduate work in fields such as biotechnology, biochemistry, physiology, pharmacology, and microbiology where a strong undergraduate foundation in cell and molecular biology would be an asset,
3. professional schools of medicine, dentistry, optometry, or other health-related professions and,
4. employment in cell biology and biotechnology-based industries.

Because of sequential prerequisites, limited course offerings, and tight course scheduling, students seeking formal admission to the degree program must begin to plan their program with a Cell and Molecular Biology (CMB) advisor in the Department of Biomedical Sciences early during their freshman year.

#### Admission Requirements

Formal admission to the Cell and Molecular Biology (CMB) major requires completion of at least 25 hours of course work, including BMS 110, BMS 111, BMS 231, and CHM 160 and CHM 161, and a cumulative and science GPA of 2.50 or higher. A student must achieve a grade of "C" or better in all specific general education requirements (A below), all required BMS core courses (B1 below), and all requirements from other departments (B2 below). A grade of "C" or better must be obtained in a prerequisite course prior to taking a sequential course. In the terminal semester each CMB major is required to take a comprehensive assessment examination in Cell and Molecular biology.

#### Program Requirements

A. General Education Program and Requirements
Specific General Education Requirements: BMS 110(3), 111(1); PHY 123(4) or 203(5); MTH 287(3) or 261(5)

B. Major Requirements (54-57 hours)

1. Biomedical Sciences courses required: BMS 231(4), 321(4), 494(1), 521(4), 525(4)

2. Requirements from other departments: CHM 160(4), 161(1), 170(3), 171(1), 342(5); CHM 343(5) or 344(3); PHY 124(4) or 204(5)

3. Other requirements: At least 16 hours of appropriate electives, selected in consultation with the student's advisor, numbered 300 or higher. At least 10 of these elective hours must carry a BMS course code. Recommended Electives: BMS 308(4), 497(1-3), 498(1-3), 514(2), 516(4), 524(3), 529(3), 540(2), 558(3), 569(3), 582(4), 584(3), 585(4); BIO 310(5), 511(4); CHM 505(4), 552(3)

4. Public Affairs Capstone Experience will be fulfilled by completion of BMS 494(1) and any combination of the following courses equaling 3 total hours: BMS 300(1), 380(1-3), 400(2), 490(3), 498(1-3).

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Cell and Molecular Biology

Eligible Missouri State undergraduate students may apply for admission to the Cell and Molecular Biology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Clinical Laboratory Sciences-Medical Technology

## Major(s)

### Clinical Laboratory Sciences-Medical Technology (Comprehensive)

Bachelor of Science
Students desiring to enter clinical laboratory sciences-medical technology may secure preparatory training at Missouri State University. All the requirements for the Bachelor of Science must be met with a minimum of 95 credit hours, including the capstone course, completed prior to entry into the clinical phase of the program. For the major, the University will grant 30-39 hours of upper-division credit upon completion of the work given in a NAACLS approved school of clinical laboratory sciences-medical technology. The actual number of hours granted depends on which school of clinical laboratory sciences-medical technology the student attends. Before a student matriculates to an approved school, he/she must secure a letter from the Office of the Registrar which indicates the completion of all requirements for the degree other than the training at the school of clinical laboratory sciences-medical technology.

Missouri State University has entered into agreements with the school of clinical laboratory sciences-medical technology at Mercy (Joplin), Cox Medical Center (Springfield), and North Kansas City Hospital (Kansas City) whereby a clinical laboratory sciences-medical technology major may complete his/her work at one of those schools. Under these agreements, the student must meet the requirements for admission at the school of his/her choice as outlined above. Courses taken at one of the above schools will be entered directly on the Missouri State academic record and the grades earned in those courses will be calculated into the cumulative Missouri State grade point average. This combined averaging of grades applies only to clinical laboratory sciences-medical technology students attending one of the affiliated schools. MTC courses may not be used toward satisfying the University’s residence requirements for graduation. Those requirements must be met before entering a school of clinical laboratory sciences-medical technology. The descriptions of the courses to be taken at the school of clinical laboratory sciences-medical technology are listed under the MTC prefix.

Neither admission to the Missouri State program of preparatory training nor completion of that program will ensure admission to a school of clinical laboratory sciences-medical technology. The student may apply for admission at the beginning of the third year at Missouri State, but acceptance by the clinical laboratory sciences-medical technology school is at the discretion of that school. Recent graduates of other majors who have met the prerequisites may also apply to

these schools.

A. General Education Program and Requirements
Specific General Education Requirement: BIO 121(4) or BMS 110(3) and 111(1)

B. Major Requirements:

1. Additional Science Courses Required: BMS 231(4) or BIO 235(4)**;** and BMS 307(4) and BMS 308(4); and BIO 310(5) and BIO 511(3); CHM 160(4) and CHM 161(1); CHM 170(3) and CHM 171(1)**;** and CHM 201(3) and 202(2), or CHM 342(5)**;** and BMS 321(4) or CHM 352(3) and CHM 353(2)**;** and statistics (BIO 550 or MTH 340 or PSY 200 or QBA 237 or SOC 302 or equivalent).

2. Required Emphasis: Select one of the following emphases:

   a. Microbiology Emphasis: BIO 520(3) and BMS 524(3)

   b. Molecular Diagnostics Emphasis: BMS 321(4) and BMS 521(4) and BMS 525(4). Note: BMS 321 may also count as one of the required science courses.

   c. Management Emphasis: MGT 286(3) and MGT 340(3)

3. Additional electives. With advisor approval**,** choose at least one additional course from the following that is not taken in the required courses or emphasis: BMS 321(4) or BIO 520(3) or BMS 521(4) or BMS 524(3) or CHM 302(5) or CHM 352(3) and CHM 353(2) or MGT 286(3) or MGT 340(3)

4. Clinical Course Requirements: MTC 401(10-12), 402(1-3), 403(4-6), 404(3-4), 405(7), 406(3-5), 407(2)

5. Public Affairs Capstone Experience will be fulfilled by completion of any combination of the following courses equaling 3 total hours: BMS 300(1), BIO 300(1), CHM 300(1), BMS 400(2).

C. General Baccalaureate Degree Requirements

# Dietetics

## Major(s)

## Dietetics (Comprehensive)

Bachelor of Science
The Dietetics program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, (800) 877-1600 ext. 5400. Graduates who meet the requirements for a Verification Statement are eligible to apply for a ACEND-accredited Dietetics Internship and, following its successful completion, to take the national registration examination to become credentialed as a Registered Dietitian (RD).

### Requirements for Verification Statement of Completion of Didactic Program in Dietetics

A cumulative GPA of at least 2.90 with a grade of "C" or higher in all courses required for the major.

### Admission Requirements

A. Completion of at least 45 hours

B. BMS 240, BMS 305, BMS 308, CHM 116 and 117 **or** (CHM 160, 161, 170 and 171) with grades of "C" or better in each of the courses.

C. A Missouri State GPA of at least 2.90; and a combined (Missouri State and transfer) GPA of at least 2.90. Exception to the minimum GPA may be made in unusual cases, but exceptions will be limited to no more than five percent of the total number of students admitted to the program. Students must be aware that a GPA of less than 3.00 is not considered competitive for internships.

### Additional Requirements

When applying to the program students are required to:

1. Purchase the dietetics program shirt for use when participating in course related events. Prices may be obtained from the department.

2. Provide evidence of immunization or vaccination for vaccine-preventable diseases to include MMR, tetanus, and a complete Hepatitis B series including a titer demonstrating immunity.

3. Provide evidence of health insurance, including hospitalization. A comprehensive student group health and accident insurance policy is available through Missouri State University.

4. Provide documentation of negative tuberculosis status or evidence of appropriate follow-up.

5. Submit a drug screening test and criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 324.217 or other disqualifications that would prohibit licensure as a registered dietitian.

6. Provide a signed copy of the Dietetics Honor Code.

## Program Requirements

A. General Education Program and Requirements
Specific General Education requirements: BMS 110(3) and 111(1); CHM 116(4) and 117(1); MTH 135(3) or 138(5) or 181(3) or 261(5) or 287(3); PSY 121(3); and either SOC 150(3) or ECO 155(3) or AGR 100(3) or REL 131(3).

B. Major Requirements

1. Biomedical Science Courses: BMS 110(3), 111(1), 230(3), 240(3), 305(1), 306(1), 307(4), 308(4), 330(3), 331(4), 332(3), 333(3), 335(3), 338(1), 340(2), 345(3), 430(3), 438(4), 445(3), 532(3), 536(4), 539(1), 546(4), 550(2), 595(1)

2. Public Affairs Capstone Experience will be fulfilled by completion of BMS 345(3).

3. Related Requirements: ACC 109(1); BIO 210(3); CHM 116(4) and 117(1); CHM 201(3); CHM 352(3); ENG 321(3); MGT 340(3); MTH 340(3) or 545(3) or PSY 200(3) or QBA 237(3) or SOC 302(3); MTH 135(3) or 138(5) or 181(3) or 261(5) or 287(3); PSY 121(3); SOC 150(3) or ECO 155(3) or AGR 100(3) or REL 131(3).

C. General Baccalaureate Degree Requirements

# Exercise Biology

## Minor(s)

### Exercise Biology

Bachelor of Science
Bachelor of Science in Athletic Training

A. Required Courses: BMS 430(3), 532(3), 467(3); BMS 520(3) or CHM 352(3); BMS 567(4)

B. Choose electives from the following to bring total hours in the minor to at least 21 hours: BMS 230(3), 260(4), 335(3), 563(3), 570(4); KIN 569(3); PSY 508(3)

# Health Services

## Major(s)

### Health Services (Comprehensive)

Bachelor of Science
The comprehensive major in Health Services is an interdisciplinary program designed to:

- Provide allied health professionals with associate degrees or certificates opportunities for professional growth, preparation for leadership positions, and career advancement;
- Provide a foundation for those who plan to enter the workforce as a non-clinical healthcare professional; or
- Provide a foundation for those who wish to progress into non-clinical graduate programs

#### Admission Requirements

Formal admission to the Health Services major requires completion of at least 30 hours of coursework, completion of IPE 375(3) with a grade of "C" or better, and a combined (Missouri State and transfer) GPA of 2.75 or higher. Students who fail to meet GPA requirements when a minimum of 75 credit hours have been earned will not be permitted to continue in the major.

#### Program Requirements

A. General Education Program and Requirements
Specific General Education requirements: CHM 116(4), PSY 121(3)

B. Major Requirements (57-83 hours)

1. Interprofessional Leadership Core (30 hours): IPE 375(3), IPE 470(3), IPE 475(3), IPE 575(3); BMS 599(3) or SWK 599(3); COM 521(3); HCM 301(3) or HCM 303(3); MGT 340(3); NUR 515(3); SWK 595(3)
2. Public Affairs Capstone Experience will be fulfilled by completion of IPE 575(3).
3. Required Option: Select one of the following:

a. **Clinical Services Option** (30-53 hours): Completion of an accredited allied health associate degree/certificate program. Professional/clinical coursework must have been completed through an accredited institution in order to be applied to the degree requirements. Professional/clinical coursework will be evaluated for transfer credit on an individual basis. A maximum of 53 hours can be applied toward this degree.

b. **Health Services Option** (27 hours): BMS 110(3), 111(1), 230(3); 130(3) or 240(3); 307(4), 345(3), 460(1); IPE 376(3), 377(3), 378(3).

C. Additional electives, as needed, to bring total to at least 125 hours. Recommended electives include the following: ACC 109(1), ACC 201(3); BIO 210(3); BMS 240(3)*, BMS 308(4), BMS 345(3)*, BMS 400(3); COM 507(3), COM 511(3), COM 512(3); ECO 165(3); ENG 570(3); HCM 504(3); MGT 345(3); MKT 350(3); PSY 304(3); PSY 363(3); PSY 365(3); PSY 508(3); REL 347(3); SOC 341(3); SWK 502(3); or others in consultation with an advisor.

*May only be counted as electives in the Clinical Services option.

D. General Baccalaureate Degree Requirements

# Molecular Biology

## Minor(s)

### Molecular Biology

Bachelor of Science
Required Courses: BMS 521(4), 524(3), 525(4), 529(3), 558(3); BIO 310(5)

# Nutrition

## Minor(s)

### Nutrition

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Nursing

A. Required Courses: BMS 240(3), 333(3)

B. Choose electives from the following to bring total hours in the minor to at least 20 hours: BMS 300(1), 330(3), 331(4), 332(3), 334(3), 335(3), 338(1), 340(2), 345(3), 390(1-2), 391(1-4), 392(1), 395(1), 396(1), 397(1-3), 400(2), 430(3), 497(1-3), 532(3). No more than 3 hours of BMS 497 credit may be applied to the minor. See Dietetics Program Director for additional courses that may be approved.

# Department of Communication Sciences and Disorders

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Communication Sciences and Disorders (BS) +

Sign Language Studies (Minor)

### Graduate

Audiology, Doctor of (AuD)+

Communication Sciences and Disorders/Education of the Deaf and Hard of Hearing (MS)+

Communication Sciences and Disorders/Speech-Language Pathology (MS)

Education of the Deaf and Hard of Hearing (Certificate)

## Accreditations

- Council on Academic Accrediation in Audiology with American Speech-Language-Hearing Pathology – Communication Sciences and Disorders option in Speech-Language Pathology (MS); Doctor of Audiology (AuD)
- Council on Education of the Deaf – Communication Sciences and Disorders option in Education of Deaf and Hard of Hearing (MS)

## Contact

**Department head**

Letitia White, PhD

**Office**

Professional Building, Room 237

## General information

### The Speech-Language and Hearing Clinic

The Clinic provides diagnostic evaluations and therapy for persons with speech, language and hearing disabilities. A program for pre-school aged deaf/hard of hearing children is offered. Certified/licensed personnel supervise student therapy and learning activities.

**Phone**

417-836-5368

**Fax**

417-836-4242

**Email**

CommunicationSciencesandDisorders@missouristate.edu

**Website**

www.missouristate.edu/CSD

# Communication Sciences and Disorders Faculty

## Professors

Klaas Bakker, PhD

Wafaa A. Kaf, PhD

Julie J. Masterson, PhD

Lisa A. Proctor, PhD

Letitia J. White, PhD

## Associate professors

Thomas C. Franklin, PhD

Alana Mantie-Kozlowski, PhD

Shurita Thomas-Tate, PhD

## Assistant professors

Adbullah M. Jamos, AuD

Susan Lockenvitz, MA, CCC-SLP

Shelby Tiffin, PhD

## Clinical professors

Deborah A. Cron, MEd

Karen S. Engler, MA

## Clinical associate professor

Tara L. Oetting, MS

## Clinical assistant professors

Sarah R. Barber, AuD

Edith Bobbitt-Boyce, AUD

Lauren E. Jones, MS

Jennifer M. Kerr, MS

Holly V. Metcalf, MS

## Clinical instructors

Kimberly D. Ireland, MS

Sarah M. Jones, AUD

## Emeritus faculty

Neil J. DiSarno, PhD

Harold W. Meyers, PhD

Ronald W. Netsell, PhD

Jill J. Oswalt, MA

Patricia A. Pike, MA

Missouri State

Office of the Registrar

Undergraduate Catalog



# Communication Sciences and Disorders Courses

## Communication Sciences and Disorders (CSD) courses

**CSD 201 Introduction to Communication Disorders**

Provides a general understanding of normal and deviant speech, language and hearing in adults and children. Considers the normal development of communication behavior, and the nature of communication disorders.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 209 Basics of Linguistics for the Communication Sciences**

General coverage of linguistic theories, relationships between cognitive and linguistic abilities, and cultural influences upon language. Also definition of the specific components of language (phonology, syntax-morphology, semantics, and pragmatics), with emphasis on procedures for description and analysis commonly used in the communication sciences.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 210 Phonetics**

Instructional and laboratory application of international phonetic alphabet in transcribing normal/disordered American English.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CSD 216 Anatomy and Physiology of Speech**

Particular structure and functions of human anatomy related to the processes of speech.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 260 Survey of Interests in Deaf and Hard of Hearing**

A survey course on the effects of hearing impairments as they relate to development, learning, education, and social interaction across the lifespan. Resources and agencies that assist persons who are deaf and hard of hearing at the local, state, and national levels will be discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 312 Normal Language Acquisition**

Theories and sequence of normal language development, emphasizing phonological, morphological, syntactic, semantic, and pragmatic abilities. Emphasis on first six years.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 315 Language Disorders in Children**

*Prerequisite: grade of C or better in CSD 312.*

Nature, evaluation and treatment of language disorders in children. The goal of the course is to introduce students to the populations of children who experience language disorders including children with developmental language disorders, autism spectrum disorders, and intellectual disabilities. The course will examine tools and strategies used to assess language disorders as well as evidenced-based intervention strategies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 316 Introduction to Language and Cognitive-Linguistic Disorders in Adults**

*Prerequisite: grade of C or better in CSD 312.*

Nature, evaluation and treatment of acquired language and cognitive-linguistic disorders in adults caused by stroke, brain injury and neurological disease. Study of current clinical approaches and evidenced-based practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 318 Introduction to Phonological (Sound System) Disorders in Children**

*Prerequisite: grade of C or better in CSD 210.*

Introduction to the nature, evaluation, and treatment of sound system disorders in children

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 321 Sign Language: Signed English I**

*Prerequisite: permission.*

Gain beginner level skill in sign language and fingerspelling through Manually Coded English. Development of a general knowledge base including the history of sign language and the spectrum of sign options available. May be taught concurrently with CSD 621. Cannot receive credit for both CSD 321 and CSD 621.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 322 Sign Language: Signed English II**

*Prerequisite: CSD 321 and permission.*

Emphasis on the expansion of Manually Coded English sign language skills through the use of conversation and the increased development of vocabulary. May be taught concurrently with CSD 631. Cannot receive credit for both CSD 322 and CSD 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 330 Introduction to American Sign Language (ASL)**

*Prerequisite: permission.*

A beginning level course in American Sign Language. Students will gain information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 636. Cannot receive credit for both CSD 330 and CSD 636.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 331 American Sign Language (ASL) II**

*Prerequisite: permission.*

An advanced beginning level course in American Sign Language. Students will gain more complex introductory information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 637. Cannot receive credit for both CSD 331 and CSD 637.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 332 American Sign Language (ASL) III**

*Prerequisite: CSD 331.*

An intermediate level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 638. Cannot receive credit for both CSD 332 and CSD 638.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 333 American Sign Language (ASL) IV**

*Prerequisite: CSD 332.*

An advanced level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 639. Cannot receive credit for both CSD 333 and CSD 639.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 360 Hearing Science**

*Prerequisite: must meet eligibility requirements for admission to the CSD major or permission.*

Elementary acoustical theory and application to the study of speech production, reception and perception; emphasis on anatomy of auditory system, decibel notation and traditional psychophysical methods.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Summer
Projected offerings

**CSD 362 Speech Science**

*Prerequisite: CSD 216.*

Analysis of research on the acoustic parameters, the perceptual and productive processes of normal speech.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 370 Audiology**

*Prerequisite: grade of C or better in CSD 360.*

Principles of hearing measurement: test methods, screening methods, test interpretation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 380 Development, Diversity, and Deafness**

Includes prevalence, terminology and the effects of hearing loss and its management on child development. Comprehensive scope of communication options will be explored. Exceptionalities, including cultural and linguistic differences among individuals who are deaf or hard of hearing will be considered within the context of family and development, both educationally and socially. May be taught concurrently with CSD 685. Cannot receive credit for both CSD 380 and CSD 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 388 Cultural and Linguistic Diversity**

The purpose of this course is to introduce students to multicultural issues designed to better prepare them to serve diverse populations while employed in health and education professions. Students enrolled in this course will be given the tools to begin to develop cultural competence as future service providers. Course will examine the role of culture in the development, assessment and management of normal and disordered speech and language. This course will address the cultural and socio-political issues of education and clinical treatment of U.S. groups by race/ethnicity, class, gender, sexual orientation, age, disability and religious practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 400 Introduction to Research in Communication Sciences and Disorders**

An introduction to the principles and methods of statistics used in research, critical reading of the literature, and scientific writing in communication sciences and disorders. Contains prerequisite knowledge needed for the graduate course in research that is required of all majors.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 417 Clinical Assessment and Intervention of Voice, Speech and Swallowing Disorders**

*Prerequisite: CSD 216 and CSD 362 or permission.*

Introduction to the assessment and intervention of adult voice, speech and swallowing problems. A strong emphasis will be on how clinical technologies can be used to enhance the effectiveness of common behavioral approaches.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 482 Introduction to Clinical Methods**

*Prerequisite: grade of C or better in CSD 315 and in CSD 316.*

A study of assessment and treatment principles, methods and procedures relating to speech, language and hearing disorders.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 484 Introduction to Practice Settings on Communication Sciences and Disorders**

A course focusing on the varied settings in which audiologists and speech-language pathologists work. Seniors majoring in audiology or speech-language pathology who complete this course may accrue up to 8 hours of the ASHA-required 25 hours of observation in their field of study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 492 Issues in Communication Sciences and Disorders**

*Prerequisite: permission.*

Supervised independent study exploring in-depth selected areas. Selected readings, controlled by conferences, progress reports and term paper. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CSD 495 Observation Clinical Practicum I**

*Prerequisite: permission.*

Students will make observations and complete assignments relating to service delivery in their respective disciplines. A minimum of 12 hours will be direct observation. Course content will emphasize assessment practices, professional code of ethics, skills in reflective decision-making, and technical writing.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**CSD 496 Observation Clinical Practicum II**

*Prerequisite: permission.*

Students will make observations and complete assignments relating to service delivery in their respective disciplines. A minimum of 13 hours will be direct observation and/or participation. Emphasis will be on professional competencies, technical writing, and implementation of discipline-specific practices. May be repeated to total of 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**CSD 497 Observation Clinical Practicum**

*Prerequisite: permission of instructor.*

Students will make observations and complete assignments relating to service delivery in their respective disciplines. A minimum of 12 hours will be direct observation. Course content will emphasize assessment practices, professional code of ethics, professional competencies, reflective decision-making, technical writing and implementation of discipline-specific practices. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**CSD 522 Neural Bases of Human Communication**

Study of the nervous system and its role in normal and abnormal speech and language processing. May be taught concurrently with CSD 623. Cannot receive credit for both CSD 623 and CSD 522.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 562 Psycho-Social Implications of Being Deaf and Hard of Hearing**

Characteristics and problems of persons who are D/HH as they affect interaction with general society. Emphasis on interpersonal relationships through the lifespan. Introduction to adolescent development and psychology of learning of the typical child. May be taught concurrently with CSD 669. Cannot receive credit for both CSD 669 and CSD 562.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 572 Aural Rehabilitation**

*Prerequisite: CSD 370 or concurrent enrollment.*

Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Types of amplification and assistive listening devices used in classrooms. Issues of classroom acoustics and ways to optimize the classroom listening environment. May be taught concurrently with CSD 673. Cannot receive credit for both CSD 673 and CSD 572. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 580 Technical Solutions in Communication Disorders**

Review and demonstration of current hard- and software systems for the evaluation, treatment, and research of communication disorders. May be taught concurrently with CSD 681. Cannot receive credit for both CSD 681 and CSD 580.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 621 Sign Language: Signed English I**

*Prerequisite: permission.*

Gain beginner level skill in sign language and finger-spelling through Manually coded English. Develop a general knowledge base including the history of sign language and the spectrum of sign options available. May be taught concurrently with CSD 321. Cannot receive credit for both CSD 321 and CSD 621. Students will be required to complete a project in an area related to their professional course of study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 623 Neural Bases of Human Communication**

Study of the nervous system and its role in normal and abnormal speech and language processing. May be taught concurrently with CSD 522. Cannot receive credit for both CSD 522 and CSD 623.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 631 Sign Language: Signed English II**

*Prerequisite: CSD 321 or CSD 621; and permission.*

Emphasis on the expansion of Manually Coded English sign language skills through the use of conversation and the increased development of vocabulary. Students will be required to complete a project in an area related to their professional course of study. May be taught concurrently with CSD 322. Cannot receive credit for both CSD 631 and CSD 322.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 636 Introduction to American Sign Language (ASL)**

*Prerequisite: permission.*

A beginning level course in American Sign Language. Students will gain information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 330. Cannot receive credit for both CSD 636 and CSD 330.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 637 Introduction to American Sign Language (ASL) II**

*Prerequisite: permission.*

An advanced beginning level course in American Sign Language. Students will gain more complex introductory information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 331. Cannot receive credit for both CSD 637 and CSD 331.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 638 Introduction to American Sign Language (ASL) III**

*Prerequisite: CSD 637.*

An intermediate level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 332. Cannot receive for both CSD 638 and CSD 332.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 639 Introduction to American Sign Language (ASL) IV**

*Prerequisite: CSD 638.*

An advanced level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 333. Cannot receive credit for both CSD 639 and CSD 333. 3(-0) S

**Credit hours:**
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:**
Projected offerings

**CSD 669 Psycho-Social Implications of Being Deaf and Hard of Hearing**

*Prerequisite: permission.*

Characteristics and problems of persons who are D/HH as they affect interaction with general society. Emphasis on interpersonal relationships through the lifespan. Introduction to adolescent development and psychology of learning of the typical child. May be taught concurrently with CSD 562. Cannot receive credit for both CSD 562 and CSD 669.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 673 Aural Rehabilitation**

*Prerequisite: CSD 360.*

Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Types of amplification and assistive listening devices used in classrooms. Issues of classroom acoustics and ways to optimize the classroom listening environment. May be taught concurrently with CSD 572. Cannot receive credit for both CSD 572 and CSD 673.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 681 Technical Solutions in Communication Disorders**

Review and demonstration of current hard- and software systems for the evaluation, treatment, and research of communication disorders. May be taught concurrently with CSD 580. Cannot receive credit for both CSD 580 and CSD 681.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 685 Development, Diversity, and Deafness**

Includes prevalence, terminology and the effects of hearing loss and its management on child development. Comprehensive scope of communication options will be explored. Exceptionalities, including cultural and linguistic differences among individuals who are deaf or hard of hearing will be considered within the context of family and development, both educationally and socially. Fifteen hours of integrated service-learning will be a component of the course. May be taught concurrently with CSD 380. Cannot receive credit for both CSD 685 and CSD 380. Students in this course will be required to complete additional assignments compared to those students in CSD 380 for the purpose of developing skills, knowledge, and dispositions related to teaching and learning in varied settings with diverse learners required for all educators to be effective in a global society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 701 Research: Deaf and Hard of Hearing**

*Prerequisite: permission.*

Foundation for research study in the education of individuals who are deaf and hard of hearing. Emphasis will be placed on evaluation of research and professional writing as it pertains to education of individuals who are deaf and hard of hearing.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 702 Research Methods in Communication Disorders**

*Prerequisite: CSD 712 or concurrent enrollment.*

Nature of qualitative and quantitative research methodology, experimental design, scientific writing, and the exploration of efficacy and effectiveness in evidence-based practice. Examination of research literature through critical reviews of articles. The design of research pertaining to speech, language and hearing functions, and the analysis of data.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 710 Developmental Psycholinguistics**

*Prerequisite: CSD 712 or concurrent enrollment.*

Presentation of current theories associated with psycholinguistic development. Focus will be on auditory perception, individual differences, cognitive hypotheses, and stage transition.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 712 Child Language I**

*Prerequisite: permission.*

Issues related to the area of language development and disorders in children age birth to five will be presented. The course will focus on best practices for the assessment and treatment of children age birth to five with language disorders.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 713 Child Language II**

*Prerequisite: CSD 712 or concurrent enrollment.*

Current issues within the area of oral and written language development and disorders in school-age children and adolescents will be discussed. Methods for critically evaluating research and applying this research to clinical practice with children and adolescents with language disorders will be covered. Focus of course is on optimal methods for assessment and treatment of language disorders in children and adolescents.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 714 Language Disorders: Rehabilitation**

*Prerequisite: CSD 712 or concurrent enrollment.*

Diagnostic and therapeutic strategies for language disorders in adults associated with auditory discrimination, perception, short and long-term memory, semantic and syntactical concept formation, and retrieval of auditory information.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 715 Infants and Toddlers: Communication Assessment and Treatment**

*Prerequisite: CSD 712 or concurrent enrollment.*

Issues regarding communication assessment and intervention for infants and toddlers will be discussed. Course content will include a study of at-risk factors and established risks for developmental disabilities. Service delivery models for the assessment and treatment of communication disorders for infants and toddlers will be presented. Play-based assessment and intervention strategies will be included in course content.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 716 Craniofacial Anomalies**

*Prerequisite: CSD 712 or concurrent enrollment.*

The study of communication and associated problems related to congenital and acquired craniofacial anomalies. Emphasis on interdisciplinary procedures relative to amelioration of communication deficits manifest in these anomalies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 718 Fluency Disorders**

Theoretical, clinical, and experimental approaches to the study and treatment of fluency disorders.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Summer
Projected offerings

**CSD 720 Voice Disorders**

The study of the human voice and its disorders. Emphasis on 1) evaluation and treatment of neurogenic, psychogenic, and idiopathic voice disorders, and 2) respiratory, laryngeal and velopharyngeal dysfunction.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Summer
Projected offerings

**CSD 724 Aphasia**

*Prerequisite: CSD 712 or concurrent enrollment.*

Emphasis on language impairment as a result of brain dysfunction. A theoretical and clinical analysis of the neurolinguistic basis for describing, diagnosing, remediating, and/or providing means for alternative communication for individuals who suffer from aphasia.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSD 725 Motor Speech Disorders**

*Prerequisite: CSD 712 or concurrent enrollment.*

Study of neurogenic speech disorders. Emphasis on the evaluation and treatment of (1) the dysarthrias and dyspraxias, and (2) underlying neurologic and vocal tract dysfunction.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 726 Diagnostics: Speech and Language Assessment**

*Prerequisite: CSD 712 or concurrent enrollment.*

Principles and procedures for tests of language and speech dysfunctions. Interpretation of diagnostic findings leading to clinical decision-making, rehabilitative planning and reporting. Students obtain clinical experience in diagnostic procedures at the University Speech and Hearing Clinic.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSD 728 Advanced Study of Phonological (Sound System) Disorders in Children**

*Prerequisite: CSD 712 or concurrent enrollment.*

Discussion of processes involved in phonological production and how breakdowns in these processes, including hearing loss or deafness, lead to specific problems. Methods for critically evaluating research and applying this research to the study of phonological disorders will be covered. Focus of course is on optimal methods for assessment and treatment of phonological disorders in children.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 729 Cognitively-Based Communication Disorders**

*Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.*

Exploration of the pathophysiology, nature, appraisal, prevention, and management of a variety of neurogenic communication disorders, excluding the aphasias, that affect human cognition. These disorders include right hemisphere syndrome, and traumatic brain injury, in both children and adults, and the dementias.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 732 Speech and Language Assessment and Treatment for Special Populations**

*Prerequisite: CSD 712 or concurrent enrollment.*

Information on the speech and language disabilities associated with children with special needs. Target populations will include children with cognitive disabilities, dual sensory disabilities, autism spectrum disorders, behavioral disabilities and/or physical disabilities, and children who are deaf and hard of hearing. Communication development and prevention, assessment, and intervention for each of these populations will be addressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 733 Introduction to Augmentative and Alternative Communication**

*Prerequisite: permission.*

This course will cover the basic components of AAC as well as assessment and intervention strategies. In addition, the operation, evaluation, and application of the technology associated with AAC will be presented. AAC assessment and intervention will be discussed in regards to the following populations: children and adults with developmental disabilities and individuals with acquired disabilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 741 Dysphagia**

*Prerequisite: CSD 712 or concurrent enrollment.*

Comprehensive study of normal and disordered swallowing. Special emphasis will be placed on the evaluation and treatment of disordered swallowing processes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 742 Speech-Language Services in Medical Settings**

*Prerequisite: CSD 712 or concurrent enrollment.*

This course is designed to provide a guide to the concepts, policies, and procedures encountered in the medical setting. It is hoped that at the end of this course, students will feel more comfortable entering the medical setting in various practicum settings that are required in our graduate program.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 758 Early Intervention Assessment: Deaf and Hard of Hearing**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.*

Methods and techniques for working with families as well as in the educational environment of infants and children who are deaf or hard-of-hearing from birth through the beginning elementary school years. Emphasis on methods and procedures of formal and informal assessment.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 759 Early Intervention: Deaf and Hard of Hearing**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.*

Methods and techniques for working with families who have infants, toddlers and/or young children who are deaf or hard of hearing from birth to the beginning elementary school years in both natural and educational environments. Emphasis on methods and procedures for intervention, interpretation of assessment data and prescriptive instruction.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 760 Language Development: Deaf and Hard of Hearing I**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.*

Theories and research into language development in individuals with hearing and those with losses of hearing are explored with implications for assessment and intervention. Problems and issues related to language development are presented for reflection and discussion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 761 Language Development: Deaf and Hard of Hearing II**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.*

Methods, strategies, and techniques of language development that may be applied in assessing and instructing students with hearing losses.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 762 Speech Development: Deaf and Hard of Hearing I**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.*

Theories of speech development as they apply to persons who are deaf or hard of hearing. Phonetics including transcription. Anatomy and physiology of the speech mechanisms. Techniques for analyzing speech will be stressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 763 Auditory Development: Deaf and Hard of Hearing**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.*

Development of listening skills across settings by maximizing use of residual hearing and hearing technologies, notably cochlear implants. Auditory re/habilitation assessment, intervention, and principles as it relates to individuals who are deaf or hard of hearing and their families with emphasis on a developmental model for the acquisition of speech and language. Challenges with classroom acoustics and ways to optimize the classroom listening environment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 764 Instructional Strategies: Deaf and Hard of Hearing**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.*

Development of instructional strategies for teaching students who are deaf or hard of hearing with an emphasis on differentiated instruction. Focus on upper elementary through the secondary school levels, including career education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 765 Reading: Deaf and Hard of Hearing**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.*

Theories of reading with an emphasis on adaptations for assessment and intervention for students who are deaf or hard of hearing. Introduction to available resources.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 766 Counseling: Deaf and Hard of Hearing**

*Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.*

Theoretical bases of counseling and the role of the educator in the counseling process. Emphasis on the counseling process as it affects the educational, personal, social, and familial adjustment of individuals who are deaf or hard of hearing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 767 Amplification Systems in the Educational Setting**

*Prerequisite: permission.*

The different types of amplification and assistive listening devices used in classrooms will be discussed in detail. Students will be able to discuss issues of acoustics and amplification devices in educational settings. They will learn vocabulary needed for communication with other professionals, and they will obtain hands-on experience with hearing aids and assistive devices found in classrooms.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 782 Acoustic Phonetics**

*Prerequisite: CSD 712 or concurrent enrollment.*

Investigation of the acoustic characteristics of normal and pathological speech and voice production.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSD 783 Physiological Phonetics**

*Prerequisite: CSD 712 or concurrent enrollment.*

Analyses of the physiological features underlying voice, speech and language processes; theories of encoding, and encoding control mechanisms.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSD 784 Non-Thesis Project**

*Prerequisite: CSD 712 or concurrent enrollment.*

In-depth study in an area of communication sciences and disorders, culminating in a presentation of an extensive scholarly paper. Syllabi with specific expectations will be developed for each semester. SLP Emphasis: Students register for 1 credit hour per semester for a minimum of 3 semesters; may be repeated. DHH Emphasis: Students register for 3 credit hour in the first semester of enrollment and then 1 credit hour in the subsequent semester for a minimum total of 4 credit hours, may be repeated.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 788 Professional Issues I: Education Settings**

*Prerequisite: CSD 712 or concurrent enrollment.*

This class will be taught in conjunction with student's school practicum experiences and will focus on professional issues in school settings. Topics will include overview of service delivery systems, business aspects of service delivery, scope of practice, quality assurance/assessment, legal and ethical responsibilities, professional organizations, and career development issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 789 Professional Issues**

*Prerequisite: CSD 712 or concurrent enrollment.*

This functionally-oriented course is designed to complement students' concurrent clinical externships in educational and healthcare settings. Issues include, but are not limited to, in-depth discussion and analysis of relevant local, state, and national policies and procedures for ethical and effective evidence-based service delivery; models of collaborative team assessment and treatment applications to a variety of speech-language pathology settings; professional organizations; and recognition of potential external influences that may impact treatment objectives and length of intervention.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 790 Workshop in Communication Disorders**

*Prerequisite: permission.*

A concentration of work to improve the skill and knowledge in specific areas. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. Thirty clock hours equal 1 semester hour. May be repeated to a maximum of 6 hours credit.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSD 791 Professional Issues in Speech-Language Pathology**

*Prerequisite: CSD 712 or concurrent enrollment.*

Functionally-oriented course designed to complement students' concurrent clinical externships in educational and healthcare settings. Issues include, but are not limited to, in-depth discussion and analysis of relevant local, state, and national policies and procedures for ethical and effective evidence-based service delivery; models of collaborative team assessment and treatment applicable to a variety of practice settings; and recognition of potential external influences that may impact treatment objectives and length of intervention.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 792 Independent Study**

*Prerequisite: permission.*

Study may be a reading project or a practical application of theories. May be repeated to a maximum of 4 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSD 794 Orientation to Clinic Speech Pathology**

*Prerequisite: CSD 712 or concurrent enrollment.*

Preparation for practicum work in speech pathology. Clinic procedures, observation guidelines, documentation requirements, shadowing of practicing clinicians, development of integration of knowledge and skills in speech pathology.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 795 Advanced Clinical Practice**

*Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.*

Training in audiology, speech and language disorders, and education of the deaf and hard of hearing in clinical, hospital, school, and/or other settings. May be repeated. Supplemental course fee.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 796 Supervised Teaching**

*Prerequisite: CSD 712 or concurrent enrollment.*

The assumption of teaching responsibilities at an approved practicum site under the direction of a University CED certified supervisor and practicum site instructor. Students enrolled in this course may be required to have a physical examination, including a TB test before placement in the practicum setting. Supplemental course fee.

**Credit hours:** 8
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSD 797 Speech-Language Pathology Externship**

*Prerequisite: CSD 712 or concurrent enrollment.*

Professionally supervised practice in speech-language assessment and intervention in clinical, hospital, school, and/or other settings. Students enrolled in this class may be required to have a TB test, immunizations, and malpractice insurance. May be repeated. Supplemental course fee.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 799 Masters Thesis**

*Prerequisite: CSD 712 or concurrent enrollment.*

In-depth research culminating in a presentation and defense of the thesis. Syllabi with specific expectations will be developed for each semester. SLP Emphasis: Students register for 2 credit hours per semester for a minimum of 3 semesters; may be repeated. DHH Emphasis: Students register for 3 credit hours per semester for a minimum of 2 semesters; may be repeated. Students must be registered for at least one credit hour until the thesis has been approved.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 800 Research Methods in Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course will outline the research process in audiology beginning from proposing a research question to drawing and disseminating conclusions. Special emphasis will be place on conducting clinical research and evaluating published research findings in audiology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 807 Auditory System: Physiology/Neurophysiology**

*Prerequisite: admission to Doctor of Audiology program.*

This course describes in depth aspects of the peripheral and central auditory system as it pertains to anatomy and physiology. Students learn about the functional development of the human auditory system as well as comparative anatomy. The peripheral anatomy will include external (pinna, canal, and tympanic membrane), middle (ossicular mechanism, eustachian tube, facial nerve) and cochlear structures (microanatomy, ultrastructures, sensory epithelium, cochlear fluids, vascular system). The central anatomy will include the cochlear nerve, neural transmission, afferent and efferent pathways (brainstem and midbrain) and cortical function.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 834 Diagnostic Audiology I**

*Prerequisite: admission to Doctor of Audiology program.*

A comprehensive study of a variety of site of lesion tests. The course will cover acoustic immittance and reflectance measures including tympanometry and acoustic reflex measures for detection of middle ear disorders and site of lesions in the auditory pathway. Other site of lesion tests include threshold and suprathreshold tone decay, loudness recruitment, loudness balance. Short Increment Sensitivity Index, Bekesy tests and brief tone audiometry. Tests for detection of nonorganic hearing loss will also be discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 835 Auditory Electrophysiology I**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course introduces the electrophysiological auditory responses with a focus on the inner ear responses. The course discusses the different types of otoacoustic emissions (OAEs) and the cochlear potentials of the Electrocochleography test (cochlear microphonics [CM] and summating potentials [SP]) in detail. Students will learn how to record, analyze and interpret OAEs, CM and SP. Students will, also, learn screening and diagnostic applications of electrophysiological responses in a variety of auditory pathologies. Several academic disciplines contribute to the material covered, including: physiology, anatomy, and pathology. Topics extend to the auditory efferent system, ototoxicity monitoring, neonatal hearing screening, noise induced hearing loss, and beyond.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 840 Speech Pathology for the Audiologist**

*Prerequisite: CSD 807 or concurrent enrollment.*

In-depth discussion of normal and disordered speech and language development, with emphasis on hearing loss and its effect on speech and language. Central auditory processing disorders, adult communication disorders, and proper evaluation and referral processes for speech and language also discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 842 Vestibular Assessment and Rehabilitation**

*Prerequisite: CSD 807 or concurrent enrollment.*

An examination of the physiological aspects of the vestibular system, chemical effects on the vestibular system, medical and chemical treatment methods, balance system assessment, assessment of the efficacy of intervention, and anatomy, neuroanatomy, and physiology of the pertinent sections of the auditory system (peripheral and central) will be covered.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 844 Auditory Electrophysiology II**

*Prerequisite: CSD 807 or concurrent enrollment.*

A look at various techniques and theories behind electrodiagnostic testing procedures. Advanced study of auditory evoked responses applied in audiology. Anatomy, neuroanatomy, and physiology of the pertinent sections of the auditory system (peripheral and central) will be covered. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 846 Instrumentation and Calibration**

*Prerequisite: CSD 807 or concurrent enrollment.*

Detailed investigation into instrumentation and calibration and its importance in the field of Audiology. Emphasis on bioelectrical hazards, physical characteristics and measurement of acoustic, electric, and other non-acoustic stimuli, determination of calibration in relation to accepted standards, and use of various types of instrumentation according to manufacturer's specifications and recommendations.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSD 848 Cochlear Implants and Other Assistive Listening Devices**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course provides an investigation into the various types of cochlear implants and an understanding of the anatomical and psychological aspects, including controversies surrounding implantation of children. Emphasis will include intervention and therapy techniques for children and adults with cochlear implants and other alternative listening devices.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSD 849 Basic Audiometry**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course describes aspects of basic diagnostic testing in clinical audiology. Students learn about basic diagnostic test procedures including air-conduction and bone-conduction threshold testing, speech audiometric test procedures and clinical masking procedures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 850 Pediatric Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

Overview of auditory development. Presentation of auditory disorders, audiological assessment, and treatment needs specific to infants and children. Emphasis on parent-child interactions and family dynamics in habilitating hearing-impaired children. Relevant calibration and instrumentation issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 852 Advanced Hearing Science**

*Prerequisite: admission to Doctor of Audiology program.*

Acoustics and physical measures involving the properties of sound as well as psychoacoustics and sound perception.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 866 Counseling in Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

Various counseling strategies used in clinical audiology practice will be discussed. Counseling needs of adults with hearing loss and families of children with hearing loss will be reviewed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CSD 868 Amplification Systems I**

*Prerequisite: CSD 807 or concurrent enrollment.*

Current concepts in amplification and assistive listening devices. Evaluation, selection, and fitting of prosthetic devices for the hearing impaired. Relevant calibration and instrumentation issues.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**CSD 870 Clinical Audiology II**

*Prerequisite: CSD 807 or concurrent enrollment.*

Theory and practice of electrophysiological testing for the auditory and vestibular systems. Relevant calibration and instrumentation issues.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**CSD 871 Amplification Systems II**

*Prerequisite: CSD 807 or concurrent enrollment.*

Coverage of recent developments in remediation of communication disorders related to hearing loss in adults and children.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 873 Educational Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course includes information and strategies students need to work in today's inclusive school environment, functioning as part of a collaborative team, helping develop IFSPs, IEPs and ITPs, supervising audiological screening and conservation programs. It will prepare students to perform the various roles of the educational audiologist, clinician, community liaison service coordinator, supervisor, and advocate. Issues that affect learners with hearing impairment across the lifespan (infant toddlers, elementary and high school students, and college and adult learners) and various regulations related to the delivery of effective educational services (e.g., ADA, IDEA) will be discussed. This course will also include information on the evaluation of, and referral process for, speech and language disorders related to hearing loss.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 874 Clinical Audiology III**

*Prerequisite: CSD 807 or concurrent enrollment.*

Discussion of recent advances in audiology and hearing science research which have potential clinical application.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 875 Medical Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

Detailed analysis of the etiology and assessment of common pathologies of the auditory system. Medical intervention and audiologic test battery interpretation discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSD 876 Hearing Conservation and Calibration**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course will prepare the audiologist to meet industrial needs for sound measurement and hearing conservation. Government standards will be reviewed and applied to industrial settings that fall under OSHA guidelines for hearing conservation. This will include the anatomical and physiological effects of noise on humans; federals standards and damage-risk criteria, the susceptibility and predisposing factors related to industrial noise as well as conducting and reporting a noise survey with a hearing conservation plan. The course will also cover calibration of audiometers and the use of ANSI standards.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSD 878 Professional Issues in Audiology**

*Prerequisite: admission to Doctor of Audiology program.*

Investigation into current professional issues and ethics in the field of audiology will be covered. Topics will include laws, ethics, current issues, regulations and policies. Emphasis on discussing topics as they relate to the three pillars of Missouri State University's public affairs mission: community engagement, cultural competence, and ethical leadership.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 879 Practice Management in Audiology**

This course will provide an introduction to audiology practice management. Emphasis is placed on private and clinical practice. Development of a business proposal, relevant laws, current issues, regulations, policies, management and marketing of practices, record maintenance and technology and social media in the workplace will be covered.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSD 880 Grand Rounds in Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

Describes in-depth aspects of audiological evaluation, diagnosis and management of routine and complex cases. The course will review cases in which behavioral, electrophysiologic, central, and vestibular testing are necessary to allow differential diagnosis. Each case study will involve the progression of the disorder and audiological/medical manifestations that occur during this period. Discussion involving strategies for (re)habilitation, remediation and management of each auditory disorder will be examined. The latter may include amplification, central auditory processing, counseling and tinnitus management. Case presentations will be obtained from audiology, otology, and neurology journals, text and personal cases. In addition, with respect to aural (re)habilitation, presentations will be made on current trends in amplification management regarding manufacturers' products and their applicability to specific cases. Must be repeated to a minimum of 3 hours.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**CSD 884 Doctoral Project**

*Prerequisite: CSD 807 or concurrent enrollment.*

In-depth study in an area of Audiology, culminating in a presentation of an extensive scholarly paper. Must be repeated for a minimum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 895 Advanced Clinical Practice**

*Prerequisite: CSD 807 or concurrent enrollment.*

Training in audiology, speech and language disorders, and education of the deaf and hard of hearing in clinical, hospital, school, and/or other settings. May be repeated. Supplemental course fee.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 900 Professional Preparation for Externship**

This course will guide students through the process of obtaining a fourth year externship. Construction of a cover letter, professional resume and interview techniques will be covered. In addition, requirements of the 4th year externship and professional licensure and certification after graduation will be covered.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 945 Central Auditory Processing Disorders**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course describes various aspects of central auditory processing and disorders. Students learn about the underlying processes of auditory processing in the central nervous system. They are provided with a review of several evaluation and remediation approaches used in the management of individuals with central auditory disorders.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSD 972 Advanced Auditory Re/Habilitation**

*Prerequisite: CSD 807 or concurrent enrollment.*

Course will include detailed investigation into clinical assessment, treatment techniques, and evaluation of auditory re/habilitation and discussion of the theories and research of language development in individuals with both normal and impaired hearing. Implications for intervention are reviewed and discussed. Various counseling strategies for both adults with hearing loss and families of children with hearing loss will be discussed as they relate to case management.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSD 996 Audiology Externship**

*Prerequisite: CSD 807 or concurrent enrollment.*

Professionally supervised practice in auditory assessment and intervention in clinical, hospital, school, and/or other settings. Students enrolled in this class may be required to have a TB test, immunizations, and malpractice insurance. May be repeated.

**Credit hours:** 1-9
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSD 999 Doctoral Thesis**

*Prerequisite: CSD 807 or concurrent enrollment.*

In-depth research in an area of Audiology, culminating in a presentation and defense of the thesis. Must be repeated for a minimum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

MAKE YOUR MISSOURI STATEMENT™

# Communication Sciences and Disorders

## Major(s)

### Communication Sciences and Disorders (Comprehensive)

Bachelor of Science

**Admission Requirements**

A. Attainment of at least a 3.00 GPA (based on a 4.00 scale). For students with transfer credit, a combined GPA of at least a 3.00 must be achieved for all transfer coursework plus all coursework attempted at Missouri State.

B. Completion of at least 50 semester hours including the following General Education courses with grades of "C" or better. Select from the courses below to be eligible for consideration for admission to the major. Students pursuing the accelerated Doctor of Audiology degree have different requirements that other students. Contact your advisor to determine eligibility to pursue the accelerated Doctor of Audiology degree. Course options were selected to fulfill Knowledge and Skills in Communication Sciences and Disorders (CSD). Contact your advisor to determine any available course substitutions.

1. Chemistry and/or Physics*

    a. Students pursing the accelerated Doctor of Audiology degree must complete a chemistry course and a physics course selected from CHM 116(4) and 117(1) or CHM 160(4) and 161(1); and PHY 100(4) or PHY 123(4) or PHY 203(5)

    b. All other students select one course from CHM 107(3), CHM 116(4), PHY 100(4), PHY 203(5)

2. Biology*

    a. Students pursing the accelerated Doctor of Audiology degree must complete BIO 121(4) or BMS 110(3) and 111(1).

    b. All other students select one course from BIO 101(3), BIO 121(4), or BMS 100(3) and 101(1) or BMS 110(3) and 111(1)

3. College level mathematics course

a. Students in the Audiology option (both accelerated and traditional) must select from MTH 135, 138, 181, 261, or 287.

b. Students in the SLP and EDHH options may select any course that meets the General Education Focus on Quantitative Literacy requirement.

4. Complete the Knowledge of Human Cultures section of the General Education Program (12 hours).

*For students pursing the accelerated Doctor of Audiology degree, at least two of the three required science courses must include a laboratory component. For all other students, at least one of the science courses must include a labortory component.

## Program Requirements

Within the General Education Knowledge of the Natural World requirement, students pursing the accelerated Doctor of Audiology degree must complete a biology course, a chemistry course, and a physics course as described in the Admission section. Two of the three courses must include a laboratory component.

All other students must complete a biology course and a chemistry or physics course as described in the Admission section. One of the courses must include a laboratory component.

In addition, all students must complete a statistics class.

This major does not require completion of a minor. Students should consult with their advisor to determine which program option is best for them.

A. General Education Program and Requirements. Refer to the Admission section of this major for specific course and grade requirements.

B. Major Requirements

1. Core: CSD 312(3), 321(3), 360(3), 370(3); CSD 380(3) or SLP students substitute 388(3); CSD 400(3); CSD 495(2) and 496(2) or EDHH students substitute CSD 497(3); CSD 572(3); PSY 121(3); PSY 200(3)

2. Public Affairs Capstone Experience will be fulfilled by completion of CSD 572(3) or CSD 497(3).

3. Select one the following options:

a. **Audiology:** ENG 296(3); CSD 210(3), 216(3), 315(3), 318(3), 362(3),

522(3), 562(3)

For students pursuing the accelerated Doctor of Audiology degree, CSD 496(2) will be repeated for a total of 4 hours. Additionally, ENG 296 and CSD 318 will be waived; CSD 807(3), 849(3), 852(3), and 878(3) will be taken as Mixed Credit; and CSD 868(3) and 895(1) will be taken as Senior Permission. Students wishing to pursue the accelerated Doctor of Audiology degree must apply to the program in the spring of the junior year.

b. **Education of Deaf and Hard of Hearing:** EDC 345(3); SPE 310(3); CSD 322(3), 330(3), 331(3), 562(3)

This option does not prepare students for teacher certification or entry into the accelerated master's program. EDHH students pursuing a career as a certified teacher of the deaf and hard of hearing should apply to the accelerated master's program in the spring of their junior year. Students admitted to the accelerated program take the following courses for undergraduate and graduate credit (Mixed Credit): CSD 760(3), 762(3), 763(3), 795(3). See certification requirements below for more information.

c. **Speech-Language Pathology:** ENG 296(3), CSD 210(3), 216(3), 315(3), 316(3), 318(3), 362(3), 417(3), 482(3), 522(3)

C. GPA and grade Requirements

1. All students must attain a cumulative GPA of at least 3.00 in the CSD major to graduate from the program.

2. CSD courses cannot be taken on a Pass/Not basis.

3. Courses in the major cannot be taken more than twice.

D. General Baccalaureate Degree Requirements

## Certification Requirements for Deaf and Hard of Hearing

Contact advisor or department head for the requirements and coursework required to meet state and national certification requirements. Students must complete specific coursework through the Teacher Education Program and meet the following requirements to be recommended for state certification.

A. Successfully complete all practicum requirements with a grade of "B" or better.

B. Successfully complete the graduate degree in Communication Sciences and Disorders with option in the Deaf and Hard of Hearing.

C. Successfully complete the state approved exit assessments.

D. Complete all state certification requirements in effect at the time a recommendation is made.

## Accelerated graduate program in Communication Sciences and Disorders/Education of Deaf and Hard of Hearing

Eligible Missouri State undergraduate students may apply for admission to the Communication Sciences and Disorders/Education of Deaf and Hard of Hearing program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

## Accelerated graduate program in Audiology

Eligible Missouri State undergraduate students may apply for admission to the Doctor of Audiology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Sign Language Studies

## Minor(s)

### Sign Language Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work
Complete following six courses: CSD 321(3), 322(3), 330(3), 331(3), 332(3), 333(3) in consultation with CSD advisor.

Note: CSD 321 must be taken prior to CSD 322. CSD 330-333 must be taken in sequence.

# Department of Kinesiology

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Coaching (Minor)

Exercise and Movement Science (BS)+

Physical Education (BSEd)+

Radiography (BS)+

Recreation, Sport, and Park Administration (BS, Minor)+

Respiratory Therapy (BS)+

### Graduate

Health Promotion and Wellness Management (MS)+

Secondary Education with option in Physical Education (MSEd)

Sports Management (Certificate)

Courses are offered toward option in Sports Management within the Professional Studies program (MPS)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Physical Education (BSEd); Secondary Education/Physical Education (MSEd)
- National Association for Sport and Physical Education – Physical Education (BSEd); Secondary Education/Physical Education (MSEd)

## Contact

**Department head**

Sarah G. McCallister, EdD

**Office**

McDonald Hall, Room 103

- Council for the Accreditation of Educator Preparation – Physical Education (BSEd); Secondary Education/Physical Education (MSEd)
- Council on Accreditation of Parks, Recreation, Tourism and Related Professions – Recreation, Sport, and Park Administration (BS)

## General information

### Kinesiology/service courses

KIN 101-149 are available as electives for students for the purpose of providing a means to maintain and/or improve physical well-being.

### Radiography (RAD) courses

These courses are specifically designed to provide the basis for professional training in Radiography. They are taught by the staff of the School of Radiologic Technology of Cox Health Systems or Mercy as part of their degree program. Enrollment in any of these courses is contingent on acceptance of the student by the School of Radiologic Technology. The emphasis in all cases is towards applicability to Radiography. These courses are credited only on the Bachelor of Science degree in Radiography.

### Respiratory Therapy (RTH) courses

These courses are not offered at Missouri State University and are treated as transfer courses.

**Phone**

417-836-5370

**Fax**

417-836-5371

**Email**

KIN@missouristate.edu

**Website**

www.missouristate.edu/kinesiology

# Kinesiology Faculty

## Professors

Barbara A. Bushman, PhD

Keith D. Ernce, PhD

Yating Liang, PhD

Gerald L. Masterson, PhD

Sarah G. McCallister, EdD

Daniel Wilson, PhD

Rebecca J. Woodard, PhD

## Associate professors

Thomas S. Altena, EdD

John Downing, PhD

Hugh M. Gibson, EdD

Melinda Novik, PhD

## Assistant professors

James R. Galloway, PhD

Jacob R. Gdovin, MS

Brenda S. Goodwin, MEd

Junyoung Kim, MS

Bernard M. Kitheka, PhD

Gayle Runke, MS

## Instructors

Amy C. Blansit, MA

Zachary J. Burt, BS

Stacy E. Goddard, MS

Michael W. Keltner, EdS

Larry W. Mays, EdS

## Emeritus faculty

A. Duane Addleman, PhD

Larry R. Atwood, MS

Wesley Bair, EdD

Thomas H. Burnett, PhD

Nancy Curry, PhD

Kay Hunter, MEd

Steven F. Illum, PhD

Gloria Johnson, MS

Jay Kinser, MEd

Perry Miller, EdD

Janice Nelsen, EdD

David T. Oatman, EdD

Rhonda R. Ridinger, PhD

## Senior instructor

Kirsten A. Hatz, MEd

Gary Shoemaker, EdD

George Simpson, EdD

Reba Sims, MS

Peggy Thomas, EdD

William J. Thomas, MEd

Gary Thompson, MS

Alex D. Trombetta, HSD

Dale Williams, MS

Tillman Williams, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Kinesiology Courses

## Health (HLH) courses

**HLH 195 Introduction to the Health Professions**

Designed to familiarize students with a variety of health career opportunities, and to provide guidance in early curriculum planning and alternative career options. Identical with BMS 195. Cannot receive credit for both HLH 195 and BMS 195.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**HLH 399 Cooperative Education in the Health Sciences**

*Prerequisite: acceptance into the Cooperative Education Program and permission of Director of Health Arts and Sciences.*

A supervised learning experience that integrates on-the-job training with academic credit. The student will be required to complete assigned academic work related to the area of practical experience.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**HLH 700 Research Methods in Kinesiology**

Nature of research methodology, experimental design and scientific writing. Opportunity to explore research literature and to conduct research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HLH 710 Introduction to Health Promotion and Wellness Management**

This is an introductory course in which students will gain a general understanding of the health promotion and wellness management (HPWM) field. The job opportunities, history, mission, terminology, philosophy, ethical principles, organizations, concepts and foundations of HPWM will be explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HLH 750 Programming Approaches in Wellness/Health Promotion**

Organizational and administrative approaches utilized in the conduct of wellness/health promotion programs will be studied. Emphasis will be placed upon the selection, development, promotion, conduct, and evaluation of the various components of wellness/health promotion programs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HLH 752 Health Risk Identification and Management**

Procedures and instrumentation utilized in the identification and assessment of risk factors associated with cardiovascular and other major life-style generated diseases and conditions will be studied. Emphasis will be placed upon the utilization of risk factor data in the conduct of a wellness/health promotion program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HLH 760 Health Promotion Planning**

A culminating course in the MS in Health Promotion and Wellness Management degree program. This course will focus on the development of health promotion in the workplace: Topics discussed will include effects of health promotion, the compression of morbidity, developing awareness strategies, health assessments, theories of health behavior (self-efficacy, social learning theory, health belief model, theory of planned behavior, stages of change theory), and evaluating existing workplace health promotion programs (physical activity in the workplace, worksite nutrition programs, worksite weight management, tobacco control and cessation, and stress management). The current professional literature related to health promotion will also be reviewed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HLH 770 Seminar in Health Promotion and Wellness Management**

Review of the professional literature relating to current issues in health promotion and wellness. Topics researched and discussed include health care ethics, diversity, cultural aspects, long-range planning, public relations, legal considerations, and grant-writing. Includes guided development and completion of an extensive research paper.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HLH 791 Wellness Internship**

*Prerequisite: permission of Health Internship Coordinator.*

Supervised field experience in a health promotion or health care setting. Directly involves the student in the application of organizational skills and wellness manager skills. Student must complete a minimum number of clinical hours. May be repeated.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall
Projected offerings

## Kinesiology (KIN) courses

**KIN 101 Beginning Swimming**

Designed to teach novice swimmer basic swimming skills.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 102 Intermediate Swimming**

*Prerequisite: KIN 101 or demonstrate swimming skill first day of class; first aid and CPR certification.*

Review of basic strokes. Instruction in competitive strokes. Basic diving instruction. May be taken twice for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**KIN 103 Lifesaving**

*Prerequisite: KIN 102 or demonstrate swimming skill first day of class, first aid and CPR certification.*

Development of personal safety skills and techniques of aquatic rescue for lifeguarding; certification in American Red Cross Life Guard Training may be obtained.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 104 Water Safety Instruction**

*Prerequisite: KIN 103 and permission of instructor.*

Prepares the student for complete American Red Cross Water Safety Instruction Certificate.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**KIN 105 Alpine Skiing**

*Prerequisite: permission of instructor.*

Fundamental skills of alpine skiing; required Student Union ski trip for the purpose of instruction and practice on snow.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**KIN 106 Sailing**

*Prerequisite: demonstrate swimming skill first day of class.*

Development of skills and knowledge of sailing. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 107 Intermediate Sailing**

*Prerequisite: KIN 106 or comparable skill and swimming skills.*

The course includes a refinement of basic skills and discussion of sailing theory and sailboat racing tactics. May be repeated to a maximum of 2 hours credit. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 109 Cycling**

Cycling as a means of transportation, leisure activity, and fitness medium. Emphasis placed on safety, bikepacking, and cycle maintenance. Student must furnish a bicycle (ten-speed recommended). Field trips required.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 110 Backpacking**

Backpacking as a lifetime leisure activity. Emphasis on equipment, safety, techniques, and trip planning. Field trips required.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 111 Beginning Badminton**

Fundamentals of grip, stance, footwork and badminton strokes.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 112 Beginning Handball**

Rules, techniques and strategy of four wall handball.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 113 Beginning Racquetball**

Fundamental skills, rules, techniques and strategy of racquetball.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 114 Canoeing**

*Prerequisite: demonstrate swimming skill first day of class.*

River canoeing as a lifetime leisure activity. Emphasis on safety, techniques, trip planning, and equipment. Field trips required.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 118 Bowling**

History, fundamental skills, techniques, terminology, rules, strategy and safety skills of bowling. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 120 Beginning Gymnastics**

Emphasis on skill progressions in tumbling and vaulting with an introduction to apparatus and balance work. Principles of training, conditioning, and spotting included.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 121 Intermediate to Advanced Gymnastics**

*Prerequisite: KIN 120.*

Emphasis on skill progressions for the Olympic events. Principles of training, conditioning, and spotting are included. May be repeated for a maximum of 3 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 122 Fencing**

History, fundamental skills, techniques, terminology, nomenclature, rules, strategy and safety skills of fencing.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 123 Intermediate Fencing**

*Prerequisite: KIN 122.*

Advanced compound offenses and defenses; detailed work on competitive techniques. May be taken twice for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 124 Techniques and Principles of Hunting and Fishing**

Skills and safety factors of hunting and fishing; Missouri hunting, fishing, and conservation laws and principles upon which these laws are founded.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 125 Aerobic Dance**

Aerobic Dance is an exercise program of choreographed routines involving continuous rhythmic activity. The combination of motor skills, jogging, dancing, and vigorous exercise are set to music in a motivational manner. The routines are designed to be simple enough for all individuals to be successful as they move toward cardiovascular fitness.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 126 Folk and Square Dance**

Understanding folk and square dance skills, directional patterns, structure.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 127 Weight Training**

Scientifically founded isotonic and isometric weight training programs; development of cardiovascular and muscular endurance, strength and flexibility.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 128 Western Square Dance**

Review of the 50 basics and introduction to the 25 extended basic skills and patterns of Western Square Dance.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 130 Adapted Physical Activity**

*Prerequisite: physician's approval.*

Adapted physical activity to meet the needs of students with disabilities and other physical limitations. May be repeated for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 133 Volleyball**

Basic skills of power volleyball.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 135 Selected Activities**

A variable content course designed to develop lifetime skills in sports, fitness, and/or leisure activities. Activities selected will vary according to demand. Course may be repeated any number of times provided the same activity is not retaken. Supplemental course fee may be assessed (variable by section).

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 136 Ballroom Dance**

Ballroom dances: technique, lead and style.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 138 Archery**

Cultural aspects of archery throughout history; target archery, field archery, bowhunting and bowfishing. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 143 Beginning Tennis**

Fundamental tennis skills and mechanical principles. Rules, courtesies and etiquette.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 144 Intermediate Tennis**

*Prerequisite: KIN 143.*

Instruction in intermediate and advanced elements of strokes and strategy used in singles and doubles. May be taken twice for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 145 Beginning Golf**

Choice and use of clubs, form to be used, rules and courtesies of golf.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 146 Intermediate Golf**

*Prerequisite: KIN 145.*

Correction of errors in basic strokes with all clubs. Application of mechanical principles. Instruction concerning strategy used on different golf courses in variable weather. May be taken twice for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 147 Beginning Judo**

Fundamental falling (ukemi), holding techniques (Katamewaza), basic mat and free exercises (mat randori), and history of judo.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 148 Intermediate Judo**

*Prerequisite: KIN 147 or Brown or Black Belt Ranking.*

Basic throwing techniques of judo; all mat techniques required for third degree brown belt status (sankyu). May be taken twice for credit.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**KIN 149 Self Defense**

*Prerequisite: KIN 147.*

Introduction to self-defense techniques including combative and defensive stances and position, taisabaki movement, parries, counterattack movement, hold releases, attack techniques, and ground defense.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 200 Foundations of Education and Physical Education**

*Prerequisite: KIN 210; COM 115 with a "C" grade or better; and combined (Missouri State and transfer) GPA of 2.50 or better.*

This course introduces the physical education major to the profession of education while focusing on the discipline of health and physical education in American education. It provides the prospective teacher/coach a knowledge base in the theoretical aspects of PK-12 education. Additionally, this course examines both the nature and history of the teaching profession, PK-12 school orientation, educational theories, and legal issues pertaining to the American educational institution. It also explores the nature of physical movement, as well as the breadth, scope, and significance of physical education and its role and relationship to the overall curriculum of the American public schools. Emphasis will be placed on professional competencies required for certification and professional development. This course also requires a twenty (20) hour observational experience, utilizing the Systematic Supervision Model, designed to explore professional teaching qualifications, cultural diversity, student needs, and school orientation with emphasis on training educators as reflective-decision makers. This observational experience will include both on-campus and approved PK-12 off-campus placement sites. As a portion of the course grade students will be required to satisfy the first checkpoint of the artifact development as required for the Professional Preparation Portfolio. A grade of "C" or better is required in this course for graduation. The Missouri State Board of Education entry examination must be taken during enrollment in this course. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 210 Healthy Lifestyles: Preventive Approaches**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

This course introduces conceptual and practical information relating to the impact of lifestyle choices on the health and wellness of the individual and society. Students in this course study a variety of fitness-wellness topics while initially and summatively garnering personal fitness-wellness data in both academic and laboratory settings. Collected data are synthesized and critically appraised, resulting in the construction of individualized fitness-wellness programs implemented and periodically re-evaluated over the course of the semester via reflective journal writing; and periodic quizzes and examinations that tie lecture theories to laboratory practices in critical thinking-peer teaching contexts. Laboratory activities help the individual discover his/her needs for achieving and maintaining high level wellness. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 212 Introduction to Exercise Science**

Orientation for students interested in exercise science. Various professional options will be discussed and research methodology in the field will be explored through applied examples. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 218 Organization and Administration of Intramurals**

*Prerequisite: 30 hours.*

Organization and administration of an effective program of intramural activities for secondary and college levels.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 234 Sports Officiating**

Procedures and requirements for registration as a Missouri State High School Activities Association (MSHSAA) Sports Official. Ethical standards and development of a philosophy for an official. Knowledge, rules and basic skills for officiating basketball, football, baseball, softball, track and field, volleyball, and wrestling. Students select a practicum experience in at least one sport.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**KIN 240 Creative Dance and Exploratory Activities for Children**

Creative activities for movement and dance necessary for the physical development of elementary school students.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 250 Applied Human Anatomy**

*Prerequisite: BIO 101 and 111, or BIO 121, or BMS 110 and 111.*

Study of the structure of the human body with emphasis on the organ systems operational in effecting human movement. Integrating structural and biomechanical aspects of movement; focusing on functional anatomy using a systematic approach. A grade of "C" or better is required in this course in order to take KIN 360. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 252 Applied Human Physiology**

*Prerequisite: CHM 116 or CHM 160; and BMS 307 or a grade of "C" or better in KIN 250.*

Study of the function and responses of each organ system in the body. Emphasis is directed toward a process of examining functional concepts requisite to critical assessment and description of human movement, exercise, sport and wellness. A grade of "C" or better is required in this course in order to take KIN 362.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 253 First Aid**

First aid and civil defense knowledge; procedures in times of emergency, sickness, wounds, shock, poisoning, fractures, unconsciousness, stoppage of breathing.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 256 Community Health**

School, community, state, national and international health programs; their relationship to the student; major communicable and non-communicable diseases and community health.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 257 Personal Health**

Health problems; factors that contribute to development and maintenance of health for the individual living in a contemporary, automated society.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 260 Outdoor Leisure Education**

Introduction to outdoor leisure skills. Selected outdoor education activities, e.g. orienteering, hiking, etc. Field trips required.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 261 Wrestling Techniques**

Fundamental wrestling skills necessary for demonstration purposes in teaching-coaching situations. Recommended for men only.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**KIN 264 Team Sports**

Fundamental skills and techniques of basketball, field hockey, soccer/speedball, softball and volleyball; emphasis on demonstration in teaching-coaching situations.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**KIN 270 Recreational and Aerobic Dance Techniques**

Fundamental skills in folk, square, social, and aerobic dance necessary for demonstration purposes in teaching situations.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 273 Aquatics**

*Prerequisite: demonstrate swimming skill first day of classes.*

Emphasis on stroke mechanics for swimming and basic diving. Development of the skills necessary to demonstrate in teaching-coaching situations.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 277 Individual and Dual Sports**

Fundamental skills and techniques of golf, racket sports, track and field, and tumbling/apparatus; emphasis on demonstration in teaching-coaching situations.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**KIN 281 The Athlete's Diet**

Instruction on the current research and concepts on diet and exercise performance, body weight and composition, fluid and electrolyte balance during exercise, and selected topics on proposed dietary ergogenic aids.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 282 Sports Conditioning**

Instruction on the theory and practical aspects of designing and evaluating training and conditioning programs for competitive athletes.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 286 Ethics and Diversity in American Sport**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

This course introduces students to the current and pervasive ethical and diversity issues present in contemporary American sport. Particular attention is given to the practical application of decision-making processes and to the development of sensitivity to divergent views of ethical and diversity issues in sport settings (e.g., cheating, race, gender, disability, youth sport, ethical leadership.)

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 297 Special Topics**

Special study of physical education or leisure skills. Variable content and variable credit course. May be repeated for credit to a maximum of 4 credit hours. Same topic may be repeated once for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**KIN 300 Teaching and Coaching Volleyball**

*Prerequisite: 60 hours.*

Analysis of volleyball skills. Strengths and weaknesses of various offensive and defensive systems. Development of coaching and game plays, discussion of strategies, screening and selection of player personnel.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 301 Teaching and Coaching Football**

*Prerequisite: 60 hours.*

Analysis of football skills. Offensive and defensive systems applicable to varying skill levels. Analysis of game strategy, scouting, yearly organization. Training, recruiting and organization of coaching personnel and daily coaching plans.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 302 Teaching and Coaching Basketball**

*Prerequisite: 60 hours.*

Analysis of basketball Skills. Factors which compose the game of basketball; analysis of varying offenses and defenses used in competition. Team selection, development and organization.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 303 Teaching and Coaching Track and Field**

*Prerequisite: 60 hours.*

Analysis of track and field skills. Organization and development of a track and field team. Preparation and selection of athletes for competition. Practical application of meet management techniques.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 304 Teaching and Coaching Baseball**

*Prerequisite: 60 hours.*

Analysis of baseball skills. Development of a baseball team, selection of players by position, team drills, offensive and defensive strategies, scouting, management of players.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 305 Teaching and Coaching Softball**

*Prerequisite: 60 hours.*

Analysis of softball skills. Development of competitive softball team, player selection by position, team drills, offensive and defensive strategies, scouting and player management.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 310 Philosophical and Historical Issues in Physical Education, Recreation and Sport**

*Prerequisite: ENG 110 and KIN 200 or REC 152; and 45 hours.*

A writing intensive course focusing on the synthesis or philosophical and historically relevant material emanating from contemporary problems in physical education, recreation and sport. Writing tasks will involve the use of extensive research and critical analysis of major issues in the fields of physical education and recreation to bridge the gap between theory and practice. Areas of coverage will vary with the instructor.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 335 Organization and Administration of Physical Education and Sport**

*Prerequisite: 60 hours.*

Organizational procedures and management principles of sport and physical education programs. Directed coaching experience on campus and in the middle/secondary school setting is required.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 341 Physical Education for Elementary Teachers**

*Prerequisite: KIN 210.*

Games, rhythms, material and methods utilized by elementary school classroom teachers to teach physical education.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 350 Health and Wellness Promotion**

Principles and objectives of health and wellness promotion. Critical issues in health and wellness. The structure, function, and contribution of public, private, and voluntary agencies involved in health and wellness promotion. Individual and group factors related to the promotion, maintenance, and restoration of health. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course. A grade of "C" or better is required in this course in order to take KIN 550.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 358 Health Education Methods**

Methods, materials and resources for preparation, development and implementation of an effective school Health Education program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 359 Introduction to Biomechanics**

*Prerequisite: 30 hours and KIN 250 or permission.*

Biomechanical concepts and principles related to fundamental movement skills, rhythmic activities, sport, and recreational pursuits in K-12 physical education settings. Application through movement analysis technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 360 Kinesiology**

*Prerequisite: BMS 307 or grade of "C" or better in KIN 250.*

Mechanics of sports and related activities; principles of motion, body movements, muscle action and joint mechanics in relation to human movement. Principles of anatomic and biomechanical analysis. A grade of "C" or better is required in this course in order to take KIN 468. A maximum of 4 credit hours will be granted for KIN 359 and KIN 360.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 361 Principles of Motor Learning in Physical Education**

*Prerequisite: BMS 307 or grade of "C" or better in KIN 250; and BMS 308 or grade of "C" or better in KIN 252.*

Process by which motor skills are learned; individual variables which affect acquisition of motor skills; techniques of improving motor performance. Exercise and Movement Science majors and Physical Education majors are required to earn a grade of "C" or better in this course.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 362 Exercise Physiology**

*Prerequisite: BMS 308 or grade of "C" or better in KIN 252.*

Physiologic effects of muscular activity under different intensities, durations and environments on the human organism. A grade of "C" or better is required in this course in order to take KIN 465, 468, 569 and BMS 563. Cannot not be taken Pass/Not Pass. Cannot receive credit for both KIN 362 and KIN 366. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 366 Exercise Physiology**

*Prerequisite: BMS 308 or grade of "C" or better in KIN 252.*

Same course as KIN 362 except it does not include a laboratory component. Course counts on a coaching minor only and cannot count toward a physical education major. Cannot receive credit for both KIN 362 and KIN 366.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 370 Introduction to Safety Education**

General safety education in the instruction program of elementary and secondary schools; accident causes and remedial action.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 371 Driver Task Analysis**

*Prerequisite: valid operator's license.*

Prepares student to teach driver education in secondary school. Methods, lesson planning, psychophysical testing and driver education materials presented. Each student instructs one individual to operate an automobile.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 372 Developing Vehicle Operation Skills and Competencies**

*Prerequisite: KIN 371.*

Acquaints the prospective driver education teacher with problems of automotive and traffic safety.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 373 Developing Classroom Knowledge**

*Prerequisite: KIN 371 and KIN 372.*

Course provides students the opportunity to do an action research project with regard to knowledge and skills necessary to provide quality classroom instruction. successfully manage the on-street activities and provide for appropriate student evaluation. This course should be viewed as the culmination of the Driver Education endorsement.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 386 Social Basis of Physical Activity and Sport**

*Prerequisite: 60 hours.*

Study of the growth and development of physical education, athletics and sports organization and their effect on participants, spectators, and communities in America since 1875.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 392 Coaching Practicum**

*Prerequisite: permission of instructor.*

Students should have completed coursework or concentrated experience in an area selected for practicum. A practical experience which students can relate to coaching theory. The students are assigned to participate in coaching related activities on or off campus in the secondary schools for exposure to coaching philosophies, organization, methods and procedures for preparing athletes and athletic teams for competition. May be taken twice for credit. 1(0-2) or

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**KIN 400 Movement to Enhance Cognition: Elementary Physical Education for Elementary Teachers**

*Prerequisite: concurrent enrollment in ELE 500 for 4 hours.*

Games, rhythms, materials, and methods utilized by elementary school classroom teachers to teach physical education and integrate kinesthetic movement into classroom instruction.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**KIN 402 Women In Sport**

*Prerequisite: 60 hours.*

A survey of the role of women in sport and how they have developed to present status. Topics to be covered include women in the history of sport: athletic injury specific to women, care and prevention: physiology of the woman athlete and sport psychology for the woman athlete.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**KIN 405 Gender and Sport**

An examination of sport as a major institutional locus for the historical and contemporary construction of gender relations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 411 Teaching of Secondary Physical Education**

*Prerequisite: KIN 264 and KIN 270 and KIN 273 and KIN 277 and KIN 360; and at least "C" grades in KIN 431 and KIN 440; and admitted to teacher education program; and combined (Missouri State and transfer) GPA of 2.75 or higher; and passed all sections of the Missouri State Board of Education entry examination.*

Exploration of various teaching methods and selection of activities as they apply to secondary physical education. Unit planning, lesson planning and micro teaching of physical education activities. Second portfolio checkpoint and participation in clinical/field experiences in area secondary schools is required. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 430 History and Philosophy of Physical Education**

*Prerequisite: KIN 200 and 75 hours.*

Synthesis of historically relevant material emanating from contemporary problems in physical education and Sport. Use of critical analysis of physical education concepts in teaching to bridge the gap between theory and practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 431 Teaching K-4 Physical Education**

*Prerequisite: KIN 240 and KIN 264 and KIN 270; and admitted to Teacher Education Program; and combined (Missouri State and transfer) GPA of 2.75 or higher; and passed all sections of the Missouri State Board of Education entry examination.*

Emphasis on current teaching methods, management skills, and curriculum development for teaching physical education to K-4 students. An on-campus lecture/lab and participation in clinical/field experiences in the area elementary schools. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 440 Middle School (5-9) Physical Education**

*Prerequisite: KIN 240 and KIN 264 and KIN 270 and KIN 360; and admitted to Teacher Education Program; and combined (Missouri State and transfer) GPA of 2.75 or higher; and passed all sections of the Missouri State Board of Education entry examination.*

Emphasis on current teaching methods, management skills, and curriculum development for teaching physical education in the middle school (5-9). An on campus lecture/lab and clinical/field experiences in area middle schools. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 445 Teaching of Middle and Secondary Physical Education**

*Prerequisite: KIN 200, 240, 250, 252, 261, 264, 270, 273, 277, 360; and combined (Missouri State and transfer) GPA of 2.75 or higher; and pass all sections of the Missouri State Board of Education entry examination; and completion of 70 hours.*

Course will include exploration of Mosston and Ashworth's teaching spectrum, teaching methods, and selection of activities. Emphasis will be placed on current teaching methodology, program content inclusive to MOSTEP and NASPE standards, scope and sequencing of physical activities, development of unit and lesson plans, and classroom management for middle and secondary school physical education. Also included will be discussions regarding legal issues and the attitudes and values surrounding middle and secondary education. Additional focus will be placed on curriculum development, implementation, and assessment of the curriculum process. To promote critical thinking and reflective decision making, a comprehensive field experience in both middle and secondary physical education settings is required. This course is credited only on the BS in Education degree. Students will be required to generate selected artifacts as required for completion of the Professional Preparation Portfolio. A grade of "C" or better is required in this course in order to enroll in KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**KIN 465 Exercise Prescription: Strength and Conditioning**

*Prerequisite: "C" or better in KIN 362.*

Physiology and biomechanics of strength training and conditioning. Topics include: testing and evaluation of athletics, resistance training techniques, training program design, and organization and administration of a strength training facility. This course is designed to prepare students to apply the skills needed to be a leader in strength and conditioning. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 466 Physical Education for Intellectual Disabilities**

*Prerequisite: permission of instructor.*

Identification and program development of physical activities for individuals with varying levels of intellectual disabilities. Laboratory is off campus.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**KIN 468 Adapted Physical Education**

*Prerequisite: grade of "C" or better in KIN 360 and in KIN 362; and cumulative GPA of 2.50 or better for EMS majors and a combined (Missouri State and transfer) GPA of 2.75 or higher for Physical Education majors.*

Emphasizes nature and scope of physical, cognitive, and emotional disabilities; referral, placement, and programming in physical education; federal and state laws that pertain to the education and physical education of special populations; and instruction in the modification of motor and fitness activities, and therapeutic exercise. Three hours of directed practicum per week. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**KIN 485 Psychology of Sport and Physical Activity**

*Prerequisite: PSY 121.*

Inquiry into the psychological implications of sport and physical activity participation in relation to motivation and behavior of the participant.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 490 Sports Practicum**

*Prerequisite: senior or graduate standing.*

Short-term course updates physical educators in new developments within selected sport areas. Techniques of coaching and conditioning. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**KIN 491 Field Experience**

*Prerequisite: 80 hours and permission.*

Supervised experience or internship in a cooperative program with business, government, community, clinical, or related establishments in exercise science, health, or health promotion. Credit will be based on the length and scope of the field experience/internship. May be repeated for credit but no more than 12 hours will be credited toward a degree. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course. Public Affairs Capstone Experience course. 3 or 6 or

**Credit hours:** 12
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**KIN 493 Supervised Teaching (Secondary Physical Education)**

*Prerequisite: completion of all method courses in physical education; and a grade of "C" or better in all professional education courses; and current pre-professional liability insurance; and completion of portfolio checkpoints 1 and 2; and a combined (Missouri State and transfer) GPA of 2.75 or higher; and approval for supervised teaching; and concurrent enrollment in KIN 496.*

Student observes then teaches physical education classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**KIN 496 Supervised Teaching (Elementary Physical Education)**

*Prerequisite: concurrent enrollment in KIN 493.*

Student observes, then teaches physical education classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. The course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**KIN 498 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**KIN 499 Special Problems**

*Prerequisite: permission of department head.*

Investigation of a problem within physical education, leisure services, dance, safety education, or coaching as assigned by members of the departmental faculty. May be repeated up to a maximum of 5 hours of credit.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**KIN 500 Seminar in Physical Education**

*Prerequisite: 60 hours and permission of department head.*

Directed reading and special investigation of selected subjects in physical education, health, and safety; research projects under faculty supervision. May be repeated for a maximum of 9 hours of credit. Variable content course. May be taught concurrently with KIN 600. Cannot receive credit for both KIN 500 and KIN 600. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**KIN 545 Perceptual and Motor Development**

*Prerequisite: PSY 360 or PSY 380 or PSY 385 or PSY 390 or CFD 160; and 90 hours.*

Perceptual and motor development from prenatal life to adolescence; relationships of growth factors that influence motor abilities; difficulties that may arise when the normal course of development is interrupted. Includes a laboratory and a practicum experience. May be taught concurrently with KIN 645. Cannot receive credit for both KIN 545 and KIN 645.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 550 Organization and Administration for Kinesiology Professionals**

*Prerequisite: "C" grade or better in KIN 350.*

This course will cover the fundamentals of program administration, legal considerations of health and exercise business management, and basic leadership responsibilities. This course will provide students the knowledge and skills associated with the resources required to implement health and physical activity programs and run exercise-related businesses. May be taught concurrently with KIN 650. Cannot receive credit for both KIN 550 and KIN 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**KIN 567 Physical and Leisure Activities for the Aging Adult**

*Prerequisite: KIN 250 or BMS 307; and KIN 252 or BMS 308.*

The effects of aging and common degenerative diseases of the aged on physical performance and leisure. Included are units on assessment of physical working capacity, flexibility, body composition, strength maintenance. Also, units on selection of recreational and performance activities commensurate with functioning capacity. May be taught concurrently with KIN 667. Cannot receive credit for both KIN 567 and KIN 667.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 569 Health Appraisal and Exercise Testing Techniques**

*Prerequisite: "C" grade or better in KIN 362.*

Introduction to appropriate health appraisal and exercise tests for the purpose of exercise programming and prescription. Supplemental course fee. May be taught concurrently with KIN 669. Cannot receive credit for both KIN 669 and KIN 569. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 575 Measurement and Evaluation Applied to Physical Education**

*Prerequisite: 90 hours; and admitted to Teacher Education Program, and a combined (Missouri State and transfer) GPA of 2.75 or higher.*

Use of authentic and traditional assessment techniques in assessing student performance and informing curricular change. Includes basic statistics, use of statistical software packages, evaluation of test validity and bias, and written test construction. A grade of "C" or better required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass. May be taught concurrently with KIN 675. Cannot receive credit for both KIN 575 and KIN 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 582 Motivational Interviewing for Health Professionals**

*Prerequisite: permission of instructor.*

This is an advanced level course for students who have had an introduction into health behavior theories and are interested in working in the health field. Course content will include an exploration into the attitudes and motivations of personal health behavior and an in-depth exploration of motivational interviewing principles and applications. May be taught concurrently with KIN 582. Cannot receive credit for both KIN 682 and KIN 582.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 600 Seminar in Physical Education**

Directed reading and special investigation of selected subjects in physical education, health, and safety; research projects under faculty supervision. May be repeated for a maximum of 9 hours of credit. Variable content course. May be taught concurrently with KIN 500. Cannot receive credit for both KIN 600 and KIN 500.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**KIN 645 Perceptual and Motor Development**

Recommended Prerequisite: PSY 360. Perceptual and motor development from prenatal life to adolescence; relationships of growth factors that influence motor abilities; difficulties that may arise when the normal course of development is interrupted. Includes a laboratory and a practicum experience. May be taught concurrently with KIN 545. Cannot receive credit for both KIN 645 and KIN 545.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 650 Organization and Administration for Kinesiology Professionals**

This course will cover the fundamentals of program administration, legal considerations of health and exercise business management, and basic leadership responsibilities. This course will provide students the knowledge and skills associated with the resources required to implement health and physical activity programs and run exercise-related businesses. May be taught concurrently with KIN 550. Cannot receive credit for both KIN 550 and KIN 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**KIN 667 Physical and Leisure Activities for the Aging Adult**

The effects of aging and common degenerative diseases of the aged on physical performance and leisure. Included are units on assessment of physical working capacity, flexibility, body composition, strength maintenance. Also, units on selection of recreational and performance activities commensurate with functioning capacity. May be taught concurrently with KIN 567. Cannot receive credit for both KIN 667 and KIN 567.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 669 Health Appraisal and Exercise Testing Techniques**

Introduction to appropriate health appraisal and exercise tests for the purpose of exercise programming and prescription. Supplemental course fee. May be taught concurrently with KIN 569. Cannot receive credit for both KIN 669 and KIN 569.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**KIN 675 Measurement and Evaluation Applied to Physical Education**

Use of authentic and traditional assessment techniques in assessing student performance and informing curricular change. Includes basic statistics, use of statistical software packages, evaluation of test validity and bias, and written test construction. May be taught concurrently with KIN 575. Cannot receive credit for both KIN 675 and KIN 575.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 682 Motivational Interviewing for Health Professionals**

*Prerequisite: permission of instructor.*

This is an advanced level course for students who have had an introduction into health behavior theories and are interested in working in the health field. Course content will include an exploration into the attitudes and motivations of personal health behavior and an in-depth exploration of motivational interviewing principles and applications. May be taught concurrently with KIN 582. Cannot receive credit for both KIN 682 and KIN 582.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 705 Applied Statistics in Kinesiology**

*Prerequisite: HLH 700 or equivalent or permission of instructor.*

Applications of descriptive and inferential statistics to research problems in Kinesiology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 733 Current Problems in Sports Administration**

Identification, analysis, and evaluation of current problems, research and trends in sports administration.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**KIN 735 Administration of School Physical Education and Athletic Programs**

Financial and legal aspects, personnel management, program development, public relations, and evaluation as they apply to physical education and athletics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 737 Curriculum Designs in Physical Education**

A comprehensive inquiry of the principles underlying the curriculum of physical education in grades K-12. An in-depth analysis will be given to the problems in development and evaluation of physical education curriculum.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 739 Principles of Sports Management**

Introduction to theories and principles of sports management as applied to all segments of the sports industry from high school, collegiate, professional and international sports, to health, fitness and recreational settings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**KIN 755 Fitness as Preventive Medicine**

Recommended Prerequisite: KIN 362 or equivalent. Development and implementation of scientifically-based fitness programs as vehicles of preventative medicine.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 759 Contemporary Health Problems**

In-depth consideration of relevant pertinent health issues, trends, controversy, and current research in Health Education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 760 Applied Biomechanics of Human Movement**

Recommended Prerequisite: KIN 360 or equivalent. Biomechanical principles applied to the analysis of human motion and performance. Techniques of cinematography, computerized motion analysis and other methods of analysis will be used.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 762 Applied Exercise Physiology**

Recommended Prerequisite: KIN 362 or equivalent. A study of the mechanisms underlying the body's physiological responses and adaptations to exercise and training. Application is made to health-related concerns, environmental stress, exercise practices, and the aging process.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**KIN 780 Legal Aspects in Sports, Physical Education, and Wellness Programs**

The legal aspects in sports, physical education, recreation and wellness programs as related to personnel, facilities, participants, spectators and contracts. Includes a review of legal concepts, necessary for in-depth study of the law, as it relates to sports, or other programmed activities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**KIN 781 Contemporary Issues in Physical Education**

Exploration of basic issues and trends in physical education using a philosophical approach to contemporary American education. Individual problem solving will assist the student in identifying, analyzing and evaluating recent developments and basic issues in physical education and sport.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**KIN 795 Research Project**

*Prerequisite: HLH 700 or equivalent; a statistics course; and permission of graduate coordinator.*

Original research supervised by the departmental staff. Designed to enable students through firsthand experience to understand the various parts of research papers, methods of gathering data, appropriate statistical tests, interpretation of findings and implications for further study.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**KIN 797 Graduate Seminar**

Selected topics in health, physical education, and recreation. Topics may vary from semester to semester. May be repeated for credit when topic varies. A total of 6 hours may be applied to a degree program.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**KIN 798 Field Experience in Sports Management**

*Prerequisite: completion of the application process for the field experience and 12 credits in the certificate program.*

The Field Experience is the culminating experience for all students in the certificate program. The field experience provides students the opportunity to become directly involved in the application of organizational and sport management skills in sport related venues. Possible sites include: professional or club sports teams, university athletic departments, sports sales, sports agencies, professional and university sports facilities. Selection is dependent on the students' background and career expectations. All required courses must be completed in order to be eligible. The field experience can be completed during the fall, spring, or summer and requires at least 400 hours. All field experiences must be approved by the internship coordinator.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**KIN 799 Thesis**

*Prerequisite: HLH 700 or equivalent; a statistics course; and permission of graduate coordinator.*

Independent research and study connected with the preparation of a thesis. May be repeated but no more than 6 hours may be counted toward degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Radiography (RAD) courses

**RAD 110 Introduction to Radiologic Technology**

An introduction to the field, orientation to hospital and school policies, history, and fundamentals of radiography, basic radiation protection, professional ethics, patient care, nursing procedures, and basic cardiac life support (CPR).

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 120 Radiographic Anatomy**

An introduction to human anatomy with a detailed study of the structure of the human skeletal system with special emphasis on radiographic landmarks.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 130 Radiographic Procedures I**

Fundamentals of radiographic procedures and terminology. This course includes all routine positions and a discussion of the resulting radiographic projections. Includes image analysis, lab demonstrations, practice, and lab evaluations.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Upon demand
Projected offerings

**RAD 140 Medical Terminology**

A structural analysis of word roots, suffixes, and prefixes for terms pertinent to the medical field with an emphasis on radiologic technology.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 150 Radiologic Science I**

A study of the fundamentals of atomic theory, basic electricity and x-ray circuitry, construction of x-ray tubes, the production of x-radiation, and interactions of x-radiation with matter.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RAD 160 Radiographic Procedures II**

Advanced procedures and positioning techniques with emphasis on trauma and special views of bony anatomy. Includes image analysis, lab demonstrations, practice, and lab evaluations.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RAD 170 Image Processing**

A study of the equipment, materials, and procedures used to produce radiographic images to include quality control procedures and image analysis.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 180 Radiographic Imaging I**

A study of the formation of radiographic images to include a discussion of the image devices, exposure factors, and the geometric properties of the x-ray beam. Methods of improving image quality, reducing patient exposure to ionizing radiation, and image analysis are also included.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RAD 190 Practicum I**

First-year student clinical training. Duties begin under the direct supervision of the Registered Technologists. This will involve duties performed by a practicing technologist including the following: routine radiography, tomography, fluoroscopy, digital imaging, portable radiography, trauma radiography, and surgical radiography. Also included is an extensive clinical competency and performance evaluation system.

**Credit hours:** 7
**Lecture contact hours:** 1
**Lab contact hours:** 12

**Typically offered:** Upon demand
Projected offerings

**RAD 310 Radiologic Physiology**

Normal structure and function of human systems with emphasis on related radiographic examinations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 315 Radiologic Pathology**

The study of human disease to include disease etiology, diagnosis, clinical interpretation and treatment.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 320 Radiographic Procedures III**

A comprehensive study of examinations utilizing contrast media to visualize various aspects of the digestive and urinary systems. Includes image analysis, lab demonstrations, practice, and lab evaluations.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RAD 330 Radiographic Procedures IV**

A general overview of the examinations requiring special techniques and/or contrast agents. Special emphasis is placed on new modalities or procedures that may have replaced these examinations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 340 Contrast Agents**

A general study of contrast agents and pharmacology, including types, uses, patient reactions, and emergency treatment for reactions. The basic techniques of venipuncture are included.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 350 Radiographic Science II**

An in-depth study of radiation biology to include the effects of ionizing radiation on living tissues, organs, and systems. Advanced study of radiation protection principles and regulations.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RAD 360 Radiographic Imaging II**

A study of specialized imaging technologies to include fluoroscopy, digital imaging, tomography, and other modalities.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**RAD 370 Radiographic Procedures V**

An introduction to advanced procedures to include: interventional technology, computerized tomography, diagnostic medical sonography, nuclear medicine, radiation therapy, and magnetic resonance imaging. Includes resume and cover letter writing and the job interview process.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**RAD 380 Practicum II**

Second-year clinical training includes a continuation of first-year duties with increased responsibilities under supervision of Registered Technologists. Rotations will include but may not be limited to: interventional technology, cardiac cath lab, computed tomography, nuclear medicine, diagnostic medical sonography, radiation therapy, and magnetic resonance imaging. Public Affairs Capstone Experience course.

**Credit hours:** 8
**Lecture contact hours:** 1
**Lab contact hours:** 14

**Typically offered:** Upon demand
Projected offerings

## Recreation, Sport, and Park Administration (REC) courses

**REC 152 Introduction to Recreation, Sport, and Park Administration**

Implications of leisure values in society and the role that organizations, agencies, institutions and municipalities have played in the recreation, sport, and park industries. Theories, concepts, and philosophies of leisure and recreation in society. A survey of the career opportunities in the recreation, sport and park venues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 160 Outdoor Initiatives**

This course is designed to give the student an experiential exposure to the processes of facilitating individual and group outdoor initiatives. Students will be actively involved in a weekend course experience which includes individual and group activities, initiative games, trust building activities and low and high ropes activities. Concepts of dynamic group leadership, facilitation skills, group decision making and problem solving as well as personal development will be incorporated in the weekend experience.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 161 Basic Low Impact Camping**

*Prerequisite: permission of instructor.*

This course is designed to provide the students with practical skills in camping. Basic campcraft skills such as toolcraft, firecraft, ropecraft, outdoor cooking, map and compass will be included with a minimum impact camping orientation. Skills will be taught with an emphasis on appropriately leading others in outdoor settings and with safety and risk management considered. Field trips required.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 190 Applied Social Recreation**

Applied approach to developing leadership skills in games, activities, contests and social recreation activities. Activity analysis as applied to expected outcomes, instructional techniques, age appropriateness, and activity leadership skills is emphasized. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**REC 200 Inclusion and Diversity in Recreation, Sport, and Park Administration**

*Prerequisite: REC 152 or concurrent enrollment.*

The course is designed to orient the student to the broad implications of inclusive recreation, sport, and park administration: programs and services for people of all ages, abilities, cultures, ethnicities, genders, races, and religion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 205 Concepts in Therapeutic Recreation**

*Prerequisite: REC 152 or concurrent enrollment.*

Orientation to the broad applications of clinical and community based therapeutic recreation approaches to programs and services for individuals with disabilities. Specific considerations given to mental retardation, developmental disabilities, mental illness, physical disabilities, aging, juvenile and adult corrections.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 210 Camp Counseling**

Overview of the camping movement in America, the role of the counselor, and the personal development of the camper.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 211 Principles of Outdoor Recreation**

An analysis of the history, nature, and importance of the outdoor recreation field. An overall view of outdoor recreation philosophy based on legislation, theory, geographic factors, land use, and open space factors. Field trips may be required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 235 Adaptive Recreation Techniques Equipment**

The identification of techniques associated with the utilization of adapted and modified recreational and personal aids, appliances, and equipment utilized in leisure pursuits by individuals with physical impairments.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 300 Service Learning in Recreation, Sport, and Park Administration**

*Prerequisite: 30 hours and concurrent registration in a communication course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in recreation, sport, and park administration to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**REC 301 The Role of Animals in Recreation**

In rural or urban, public or private settings, humans are attracted to domestic or wild animals as a recreation activity...keeping, observing, showing, breeding, harvesting, capturing, fighting, training, and riding. This is a seminar course that will offer the student an opportunity to make a critical survey of the "recreational role of animals" in society (for persons with or without disability) as well as its surrounding commercial recreation industry and technology.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 302 Ecotourism**

Students will gain an appreciation for ecotourism as a recreation experience. The course will examine our local ecotourism resources and compare them to the international trends and issues related to ecotourism, models of tourism and recreation planning, and ecotourism, especially focusing on the issue of sustainability. Field trips required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 303 Recreational Tourism Frontiers**

This is a seminar course that will offer the student an opportunity to make a critical survey of current trends and issues (some controversial) in the field of recreational tourism. Recreational trends such as health, sport, festivals, gambling, genealogy/reunions, incentive travel, adventure, contests/shows/meetings, heritage/nostalgia, tourism for the disabled, nature, arts, farm/home visits and more...seem to be on the cusp of popularity. Students will examine practices, resources, delivery systems, ethics, career development issues, literature, and research.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REC 304 Community Recreation and Tourism**

This course focuses on inventory, survey, assessment, and promotion of products/services of community recreation resources for visitors and residents. Students will learn how tourism is an important component of community recreation programming.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**REC 305 Meeting Planning**

This course presents concepts necessary for the meeting planner to successfully solicit/develop and manage conventions and special events, commonly participated in during leisure time. Techniques of delivery, planning, managing and assessing economic impact, as well as highlighting the role of the convention and visitors bureau as a catalyst for regional leisure economic development of business travel will be included. As an elective, this course is for students in recreation, communications, marketing, and other fields. Though the course makes reference to the hotel industry, it is taught from the perspective of the meeting planner.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 307 Outdoor Pursuits-Land**

*Prerequisite: permission of instructor.*

Skill development in outdoor recreation land-based activities (hiking, bouldering, caving, backpacking, etc.) and related environmental practices. Focuses on outdoor leadership development. Field trips and overnight educational outings may be required. Students are responsible for their own transportation to off-campus meetings. Students in the Parks and Outdoor Recreation emphasis will have additional course cost related to specific gear and clothing related to their profession. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**REC 309 Outdoor Pursuits-Water**

*Prerequisite: permission of instructor.*

Skill development in outdoor recreation water-based activities (canoeing, kayaking, etc.) and related environmental practices. Focuses on outdoor leadership development. Students are responsible for their own transportation to off-campus meetings. Field trips and weekend educational outings required. Students of the Parks and Outdoor recreation emphasis will have additional course costs due to the gear and clothing required by their profession. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**REC 311 Outdoor/Adventure Education**

The scope, methods, and importance of using the outdoors as a teaching tool for both individual and group education settings. Field trip(s) required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 315 Introduction to Private/Commercial Recreation**

Overview of the spectrum of private planning, delivery and assessment of goods and services in the private and commercial sector.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 320 Fundamentals of Tourism**

Geographical and recreational elements of tourism and travel including social, economic, environmental and political factors. Career options will be identified. Students participate in tourism research projects. One field trip may be required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**REC 325 Leisure Education**

This course is designed to identify and experientially implement the concept of leisure education and examine individual interview techniques, group process approaches, techniques, and strategies, and other appropriate materials facilitating the leisure education process.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 328 Statistical Applications in Recreation, Sport and Park Administration**

*Prerequisite: 30 hours and completion of General Education mathematics requirement.*

Introduction to statistical applications most commonly used in recreation, sport, and park administration services research; analysis, interpretation and presentation of data related to recreation, sport, and park administration services; particularly measures of central tendency and dispersion, elementary probability, probability distributions, sampling, standard error, interval estimation, and hypothesis testing. This course cannot be credited toward a degree if a student has passed any of the following: AGR 330, MTH 340, PSY 200, QBA 237, SOC 302.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 330 Leisure Research Applications**

*Prerequisite: REC 152 and REC 328.*

An overview of the purpose, basic procedures, research designs, and computer applications in leisure research. Familiarization with and interpretation of research literature in the field of recreation, sport, and park services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 335 Recreation, Sport, and Park Administration Practicum**

*Prerequisite: REC 152 and REC 190 and REC 205; and permission of practicum instructor.*

A practical experience which the student can relate to classroom theory. Students are assigned to recreation, sport, and park administration agencies for exposure to structure, programming, and philosophy of the cooperating agency. Practicum experience must be a minimum of 100 hours. Students should report to the Recreation, Sport, and Park Administration office at least six (6) months prior to the semester the practicum is desired. May be repeated once for credit but each practicum must be in a different recreation, sport, and park administration agency. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring, Summer
Projected offerings

**REC 390 Recreation Programming**

*Prerequisite: REC 152 and REC 190 and REC 205 and 60 hours.*

Students will examine various program areas and various approaches to program determination; development process for program planning, and gain experience in brochure and survey development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 400 Therapeutic Recreation Foundations**

*Prerequisite: REC 205; and either KIN 250 or BMS 307 or concurrent enrollment.*

Acquaint students with history, philosophy, theories, principles, concepts, techniques, and skills in the provision of therapeutic recreation programs and services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**REC 401 Therapeutic Recreation Assessment Evaluation, Intervention Techniques and Modalities**

*Prerequisite: REC 400.*

Focuses on use of assessment, evaluation, and facilitation technique in the delivery of treatment program modalities commonly found in therapeutic recreation practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**REC 405 Camp Administration**

A study of the techniques and principles involved in the administration of modern camps.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 406 Promoting Leisure Services**

*Prerequisite: REC 152.*

To provide the Recreation, Sport, and Park Administration students with an emphasis in Recreation Management or Sport Administration with an overview of low-cost strategies of planning and executing promotion for non-profit, government and profit making leisure services. Emphasis will be made on working with non-profit organizations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 410 Recreation Leadership Supervision**

*Prerequisite: REC 152 and REC 190 and REC 205 and 60 credit hours.*

A study of the processes, methods, and characteristics of leadership and supervision in the delivery of leisure services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 411 Outdoor Pursuits**

*Prerequisite: permission of instructor.*

To acquaint the student with a variety of outdoor pursuit activities. Skill development, environmental values and impact considerations of outdoor experiences will be emphasized. Field trips and a weekend educational outing required. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**REC 415 Risk Management for Recreation, Sport, and Park Agencies**

*Prerequisite: 75 hours.*

This course is designed to look at the various risk management concepts, laws, and administrative practices that address the legal environment of recreation, sport, and park agencies within the scope of our legal culture. Our Constitution, legal liability related to safe environs, crowd control, transportation, employee rules and regulations, workplace risk, and the general management of risk situations and aspects will be the central core of this course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 420 Trends and Issues in Therapeutic Recreation**

*Prerequisite: REC 401; and either KIN 252 or BMS 308 or concurrent enrollment.*

Designed to focus on contemporary issues, trends, practices, and professional literature, media resources, and research related to the delivery of therapeutic recreation services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**REC 422 Recreation Facility and Area Management**

*Prerequisite: admission to the Recreation, Sport, and Park Administration program (major or minor); and 90 hours; and REC 390.*

Elements of locating, planning, developing, maintaining, and financing various recreation facilities and areas management. Study of management principles and responsibilities applicable to leisure settings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 423 Administration of Recreation, Sport, and Park Agencies**

*Prerequisite: admission to the Recreation, Sport, and Park Administration program (major or minor); and 90 hours; and REC 390.*

This course is usually taken with REC 422. Presentation of administrative principles of leisure oriented agencies. Specific approaches to financing, personnel budgets, facility operation, policy development, departmental structure, public relations, legal aspects, and evaluation procedures are presented.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 451 Outdoor Leadership**

*Prerequisite: permission of instructor.*

This course emphasizes experiential teaching/learning using the Wilderness Education Association curriculum under field conditions which builds upon the student's prior outdoor study and experience. The result is a practical group experience in the outdoors spent enjoyably and safely with minimum harm to the environment. This environmental stewardship course stresses leadership, decision making, low impact camping, sound expedition behavior and environmental ethics. Field trips will be required. May be repeated once. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring, Summer
Projected offerings

**REC 490 Orientation to Internship**

*Prerequisite: permission of instructor.*

Orientation to the internship experience, including the student application process, the agency application and contractual agreement, the expectations of the University, the responsibilities of the student and the agency, appropriate completion of logs, planned experiences, time summaries and assigned problems. Students planning to intern in the Spring semester must enroll in this course during the preceding Fall semester, and students planning to intern in the Summer or Fall semesters must enroll in this course during the preceding Spring semester.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REC 491 Recreation, Sport, and Park Administration Internship**

*Prerequisite: complete all other coursework (including General Education Program, major(s), minors(s), if applicable, and all general baccalaureate degree requirements); and cumulative Missouri State GPA of at least 2.20; and first-aid and CPR competency met and maintained current throughout internship; and permission of internship coordinator.*

Supervised field experience which provides the student with an opportunity to make the transition from the classroom to actual involvement in a leisure service agency. In addition to the 10 week (optional 15 week) involvement, students are required to (l) meet with the Recreation, Sport, and Park Administration internship coordinator during the preceding semester to secure an internship site and clarify internship responsibilities, and (2) complete a notebook during the internship. Credit will be based on the length of the internship period and students receive either 8 hours or 12 hours. Public Affairs Capstone Experience course.

**Credit hours:** 8-12
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**REC 495 Seminar in Recreation, Sport, and Park Administration**

*Prerequisite: permission of instructor.*

Study of various recreation, sport, and park administration topics from contemporary and/or technical points of view. Students should check the current class schedule to determine the topic. May be repeated, provided the topic is different, to a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**REC 499 Special Problems**

*Prerequisite: permission of Recreation, Sport, and Park Administration Program Director.*

Directed reading or special investigation of a particular problem within the field of recreation, sport, and park administration and research projects under faculty supervision. May be repeated up to a maximum of 5 hours of credit.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

## Respiratory Therapy (RTH) courses

**RTH 111 Fundamentals of Respiratory Therapy I**

Topics in medical terminology, function of the respiratory system including: ventilatory mechanisms, gas transport in the blood and regulation of ventilation. Medical gas delivery devices will be considered with classroom knowledge being used to develop skills in the clinical setting.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 112 Fundamentals of Respiratory Therapy II**

A continuation of fundamentals with major emphasis and topics of aerosols, humidity, equipment maintenance, IPPB therapy and asepsis techniques.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 113 Fundamentals of Respiratory Therapy III**

Ventilatory insufficiency and failure, mechanical ventilation, and chest physio-therapy. Skills and techniques are developed in the clinical setting.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 311 Pulmonary Functions**

Application of specialized diagnostic facilities including pulmonary function and blood gas analysis. Approach and application of fundamental skills are extended to primary intensive care facilities of the participating institution.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 313 Clinical Application of Acid-Base Balance**

*Prerequisite: RTH 311.*

Acid-Base Homeostasis is related to clinical therapeutics. Topics include expired gas analysis, hemodynamics, biomedical instrumentation of biostatistical analysis.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 350 Respiratory Therapy Pharmacology**

Provides the student with the skills and knowledge for the safe usage of therapeutic drugs. An introduction to the general principles and mechanisms of drug actions, interactions, and toxicity of the use of therapeutic drugs.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 352 Pathology and Chest Disease**

Physio-pathology of respiratory disease states as they relate to normal structure.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 360 Respiratory Therapy Practicum**

Departmental responsibilities including principles and practices of planning, directing and evaluating a respiratory therapy department.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 361 Respiratory Physiology**

In-depth study and analysis of ventilation, the response to chemical and gaseous agents and manifestation and diagnosis and treatment of pulmonary disease.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 370 Advanced Clinical Techniques**

*Prerequisite: permission of instructor.*

Selected topics in the use of biomedical electronic and health related equipment as applied to Respiratory Therapy.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 371 Cardiovascular Physiology**

A course describing detailed anatomy and physiology of the cardiovascular system. Topics included are: neurogenic and histogenic homeostasis, shock, disease processes and diagnostic testing.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 380 Special Studies in Respiratory Therapy**

Provides the student with the opportunity for advanced work in a specialty area on an individual basis.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 381 Clinical Practicum in Respiratory Care**

Supervised practical application of various respiratory care procedures performed in clinical settings.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 382 Clinical Practicum in Respiratory Care**

*Prerequisite: RTH 381.*

Supervised practical application of various respiratory care procedures performed in clinical settings.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**RTH 383 Clinical Practicum in Respiratory Care**

*Prerequisite: RTH 382.*

Continuation of RTH 382.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Coaching

## Minor(s)

### Coaching (for Non-Physical Education Majors)

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

A. ATC 222(2); KIN 250(3), 335(2), 360(4), 366(3), 392(1), 485(2)

B. Select two courses from: KIN 300(1), 301(1), 302(1), 303(1), 304(1), 305(1)

# Exercise and Movement Science

## Major(s)

### Exercise and Movement Science (Comprehensive)

Bachelor of Science

**Admission requirements**

Satisfaction of the following minimum criteria is required for admission to the program:

1. A valid ACT score on file if required by the University for admission purposes
2. A combined (Missouri State and transfer) GPA of 2.50 or higher
3. Completion of COM 115 with a grade of "C" or higher, or concurrent enrollment in COM 115
4. Completion of at least 30 credit hours

**Program requirements**

A. General Education Program and Requirements
Specific General Education Requirements: BIO 101(3) and 111(1), or BIO 121(4), or BMS 110(3) and 111(1); CHM 116(4) and 117(1) for Health Studies option or PHY 123(4) for Pre-Professional option; PSY 121(3); KIN 210(3)

B. Major Requirements:

1. Core Requirements (53-55 hours): Note: a grade of "C" or better is required in all KIN courses.
BIO 101(3) and 111(1), or BIO 121(4), or BMS 110(3) and 111(1); PSY 121(3); KIN 250(3) or BMS 307(4); KIN 252(3) or BMS 308(4); KIN 212(1), 350(3), 360(4), 361(2), 362(4), 465(2), 468(4), 569(4); ATC 222(2) or KIN 253(2); BMS 240(3); PSY 200(3) or SOC 302(3) or MTH 340(3) or QBA 237(3) or AGR 330(3) or PSY 527(3); KIN 500(3) or KIN 491(3).

2. Public Affairs Capstone Experience will be fulfilled by completion of KIN 500(3) or KIN 491(3).

3. Select one of the following options:

    a. **Health Studies** (21-22 hours): Note: a grade of "C" or better is required in all KIN courses.
    CHM 116(4) and 117(1); KIN 256(2) or 358(3); KIN 257(2), 485(2), 550(3), 567(3); BMS 334(3); PSY 508(3); SWK 330(3)

    b. **Pre-Professional** (26-31 hours): MTH 138(5) or 181(3) or 261(5) or 287(3); PHY 123(4); CHM 160(4) and 161(1); CHM 170(3) and 171(1) or CHM 352(3) and 353(2); CHM 201(3) and 202(2) or 342(5); BIO 122(4) or 210(3) or 310(5); BMS 230(3) or BIO 235(4) or PHY 124(4); PSY 304(3)
    Majors selecting this option should meet with an advisor to determine the most appropriate course selection. Those preparing for possible selection into a physician assistant program should take both CHM 170(3) and 171(1), and both CHM 352(3) and 353(2). Students preparing for clinical science should take BMS 307(4) and 308(4) for the anatomy and physiology requirement

4. Students must pass the ACSM Certified Exercise Physiologist Exam, or the NSCA Certified Strength and Conditioning Specialist Exam, or score at least at the 70th percentile on a major field achievement exam.

5. Students must pass a drug test and a background check to participate in required field experiences in clinical settings, in the workplace, and/or in schools.

6. Student certification in first aid and CPR must be documented and maintained throughout the program.

7. Transfer credit courses must have grade of "C" or better and be from a regionally accredited college or university.

8. A combined (Missouri State and transfer) GPA of 2.50 or higher and a grade of "C" or better in all KIN courses is required for graduation.

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward

both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Physical Education

## Major(s)

### Physical Education

Bachelor of Science in Education (Certifiable K-12)
Missouri State University is approved by the Missouri State Board of Education to offer basic and advanced professional education programs for purposes of professional certification. Admission to the University does not automatically qualify a student to participate in the professional component of the teacher education program. A high level of academic and professional competence is required for admission to and continuation in the teacher education program. Completion of the program is designed to lead to certification to teach in Missouri public schools.

Students majoring in Physical Education are encouraged to participate in athletics, recreational sports, and/or engage in personal physical fitness programs.

Students who complete the degree requirements for the Bachelor of Science in Education in Physical Education are certified to teach physical education and professionally qualified to coach.

All students pursuing Missouri certification are required to meet a series of Transition Points that will be assessed, evaluated, and monitored throughout the teacher education program with assistance and guidance from faculty. There are five distinct Transition Points students meet from entry to their education program to follow up post graduate training.

Completion of certification requirements is a four-step process. Students who receive a certification recommendation must meet the standards for certification eligibility as outlined below:

A. **Requirements for Eligibility to Enroll in KIN 200:** Before a student can enroll in KIN 200 the following eligibility requirements must be met:
    1. A combined (Missouri State and transfer) GPA of 2.50 or higher
    2. Completed COM 115 with a minimum grade of "C" or concurrent enrollment in COM 115.
    3. Completed KIN 210.
    4. Completed at least 30 semester hours.

5. Family Care Safety Registry report on file prior to any clinical experience placement. Contact College of Education Student Services Office, 200 Hill Hall. A small fee is charged for this report.

B. **Requirements for Admission to Physical Education Teacher Education (PETE) Program:** Students who plan to complete teacher certification requirements must be admitted to the PETE Program. Eligibility is automatically monitored when enrolling in KIN 200. Admission to the PETE Program is required before students are allowed to begin additional courses in the Physical Education Teacher Education component. Student application for admission to the PETE Program is complete when the requirements listed below are satisfied. Note: All of these requirements must be met before students are permitted to enroll in Physical Education Professional Education courses (KIN 411, 431, 440, 468, and 575)
   1. A combined (both Missouri State and Transfer) GPA of 2.75 or higher
   2. Passing scores on all four sub-sets of the Missouri General Education Assessment (MoGEA). Refer to the MoGEA website for details.
   3. Completed COM 115 with a minimum grade of "C"
   4. Completed KIN 200 with minimum grade of "C"
   5. Purchased a subscription to Taskstream (comprehensive portfolio system)
   6. Registration with the Family Care and Safety Registry (FCSR).
   7. Completed Disposition Checklist and Student Contract
   8. Complete at least 45 semester hours

   Upon completion of the above requirements, a student's record is reviewed and submitted to the Educator Preparation Provider Council (EPPC) for admission to Teacher Education. A student's qualifications for continuance in the Teacher Education Program is subject to review and change by the EPPC at any time while the student is enrolled.

C. **Requirements for Continuance in the PETE Program:** In order to progress through the PETE program a student must:
   1. Maintain a combined (Missouri State and transfer) GPA or 2.75 or higher
   2. Maintain a combined (Missouri State and transfer) GPA of 3.00 or higher in the major
   3. Complete Physical Education Professional Education courses with a minimum grade of

"C"

4. Been admitted to the degree program

D. **Requirements for Assignment to Supervised Teaching (effective Fall 2017 and after):** The criteria used to determine eligibility for Supervised Teaching are outlined below. The student must have:
   1. Been admitted to the PETE Program and completed Transition Point #1 and Transition Point #2
   2. A combined GPA of 2.75 or higher for all college level course work completed
   3. Current and valid TB test
   4. Current and valid Liability Insurance
   5. Current and valid Family Care and Safety Registry (FCSR) and FBI Background checks
   6. Completed at least 15 hours at Missouri State
   7. Completed all courses in the major with a combined (Missouri State and Transfer) GPA of 3.00 or higher
   8. Completed all Physical Education Professional Education courses with a minimum grade of "C"
   9. Recommendation of student's advisor
   10. Recommendation of Department of Kinesiology

   Additional supplemental course fees are assessed for supervised teaching.

E. **Requirements for Certification Recommendation (effective Fall 2017 and after):** To be recommended for an initial Missouri teaching certification the student must have:
   1. Successfully completed Supervised Teaching
   2. Met all Missouri teacher certification requirements which are in effect at time of certification
   3. A combined (Missouri State and transfer) GPA of 2.75 or higher
   4. Completed all professional education courses with a combined (Missouri State and transfer) GPA of 3.00 or higher and no grade lower than "C".

5. A combined (Missouri State and transfer) GPA of 3.00 or higher in the certificate subject area (major)

6. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education. Refer to the MEGA website for details.

7. Completed Transition Point #3

   The Missouri Department of Elementary and Secondary Education will require in FBI background check prior to issuing a certificate.

## Program Requirements

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 101(3) and 111(1) or BIO 121(4); CHM 116(4)

B. Major Requirements. A grade of "C" or better is required in each of the following courses.

   1. ATC 222(2); KIN 200(3), 210(3)*, 240(2), 250(3), 252(3), 253(3), 257(2), 260(2), 264(2), 270(1), 273(1), 277(2), 335(2), 358(3), 359(3), 361(2), 362(4), 386(3), 411(3), 430(3), 431(3), 440(3), 468(4), 485(2), 545(3), 575(3)

   2. Select two courses form: KIN 300(1), 301(1), 302(1), 303(1), 304(1), 305(1)

   3. Public Affairs Capstone Experience will be fulfilled by completion of KIN 493(5-6); KIN 496(5-6).

      **KIN 210 may be used to meet General Education-Focus on Public Issues requirement.*

C. Professional Education Courses. A grade of "C" or better is required in each of the following courses.

   1. EDC 345(3); PSY 360(3); RDG 474(3), KIN 493(5-6); KIN 496(5-6)

   2. The following major core requirements will meet the Professional Education competencies as required for certification: KIN 200(3), 411(3), 431(3), 440(3), 468(4), 575(3)

D. General Baccalaureate Degree Requirements

## Missouri State Teacher Certification

### Driver Education

(Certifiable grades 9-12, additional endorsement only)

Students who complete the Bachelor of Science in Education degree with a major in Secondary Education or K-12 Physical Education may receive Missouri state certification in Driver Education grades 9-12 by completing the following courses: KIN 370(3), 371(3), 372(3), and 373(3). In order to meet Missouri State teacher certification requirements, all candidates for the Bachelor of Science in Education degree must have a combined (Missouri State and transfer) GPA of 3.00 or above in the certificate subject area which includes all courses previously listed.

### Health Education

(Certifiable grades K-9, K-12, 9-12, additional endorsement only)

Students who complete the Bachelor of Science in Education degree with a major in Physical Education may receive Missouri state certification in Health Education grades K-9, K-12, or 9-12 by completing the following courses: BMS 307(4) or KIN 250(3), BMS 308(4) or KIN 252(3), or equivalents; CFD 163(3); BMS 130(3) or BMS 240(3); KIN 253(2), 256(2), 257(2), 358(3); PSY 101(3); SWK 330(3); 9-12 certification student must select additional hours of electives in health-related courses, in consultation with their advisor, to bring total to 30 hours; K-12 certification student must select additional hours of electives in health-related courses, in consultation with their advisor, to bring total to 32 hours. In order to meet Missouri state teacher certification requirements, student must have a combined (Missouri State and transfer) GPA of 3.00 or above in the certificate subject area which includes all courses previously listed.

## Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Radiography

## Major(s)

## Radiography (Comprehensive)

Bachelor of Science
The Department of Kinesiology, in cooperation with the CoxHealth and Mercy School of Radiologic Technology and other JR Cert accredited programs, offer a baccalaureate degree in Radiography. This program contains professional training that must be from a clinical school that is accredited by the Joint Review Committee on Education in Radiologic Technology sponsored by the American Medical Association (foreign credentials are not accepted). The curriculum includes both university course work that can be completed in 5 semesters and a 24 month sequence of professional courses. Each student must have at least a 2.00 GPA in both the coursework at Missouri State and in the School of Radiologic Technology at CoxHealth or Mercy. To be a registered radiologic technologist, the student, after having completed the professional block of coursework, must pass a Registry Examination and obtain a letter of good standing from the American Registry of Radiologic Technologists.

A student may pursue this program by completing prerequisite courses at Missouri State and by seeking admission to the School of Radiologic Technology, CoxHealth or Mercy. Application deadline is February 1 of each year. Notifications will be sent to successful applicants and classes start in September (CoxHealth) or July (Mercy). Radiography courses completed at CoxHealth and Mercy School of Radiologic Technology will carry the RAD prefix and be entered directly on the Missouri State transcript and the grades earned in those courses will be calculated into the cumulative Missouri State GPA.

In some cases a student may transfer all or part of the professional block of courses from another accredited program in Radiography. Such courses are treated as transfer credit, carry a P (pass) grade only, and are evaluated as a block of 21 credit hours of lower-division Radiography electives and a block of 21 credit hours of upper-division Radiography electives, not as individual courses.

The Radiography courses are credited only on the Bachelor of Science degree with a major in Radiography.

A. General Education Program and Requirements
   Specific General Education Requirements: BMS 110(3) and 111(1); CHM 116(4) and 117(1);

ECO 155(3); KIN 210(3); MTH 135(3); PSY 121(3)

**CHM 160 should be selected if the science option is chosen.*

B. Major Requirements

1. BIO 210(3) or 310(5); BMS 307(4), 308(4); CHM 201(3) and 202(2); CSC 121(3)

2. Courses to be taken in the professional curriculum from the School of Radiologic Technology at CoxHealth or Mercy: RAD 110(1), 120(2), 130(2) 140(1), 150(3), 160(2), 170(1), 180(3), 190(7), 310(3), 315(2), 320(2), 330(1), 340(1), 350(2), 360(2), 370(1), 380(8)

3. Public Affairs Capstone Experience will be fulfilled by completion of RAD 380(8).

4. Specialty Requirements (choose one option):

   a. **Education:** PSY 360(3), SEC 301(2), EDT 565(3), SFR 396(2); plus two courses from PSY 200(3); PSY 306(3) or 502(3); PSY 508(3), PSY 529(3); SFR 547(2)

   b. **Management:** ACC 201(3); MGT 340(3), MGT 341(3); plus two courses from ACC 211(3); HCM 301(3), HCM 303(3); MGT 345(3), MKT 367(3), MKT 368(3); QBA 237(3)

   c. **Science:** Select 14 hours in science courses from Biology, Biomedical Sciences, or Physics with approval of advisor. CHM 160 is recommended.

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Recreation, Sport, and Park Administration

## Major(s)

### Recreation, Sport, and Park Administration (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
Specific General Education Requirement: KIN 210(3) or KIN 286(3)

B. Major Requirements (74-78 hours) Note: All other coursework (including General Education Program, major(s), minor(s), if applicable), and all General Baccalaureate Degree Requirements, must be completed prior to taking REC 491, Recreation, Sport, and Park Administration Internship.

1. Core Requirements (47-51 hours)

a. Complete the following courses: REC 152(3), 190(3), 200(3); REC 211(3) or 311(3) or 411(3); REC 330(3), 335(3), 390(3), 410(3), 422(3), 423(3), 490(1), 491(8 or 12)

b. Complete the following statistics course: REC 328(3)

c. Complete at least 5 hours of skills classes, with advisor approval, from the areas below with a maximum of 4 hours from any one area:

1. Arts and Crafts: ART 100(3), 115(3), 212(3), 255(3); CIS 205(3)

2. Dance and Rhythms: KIN 125(1), 240(2), 270(1); MUS 100(2), 103(3), 104(3), 133(1), 135(1), 137(1)

3. Drama and Theater: ENG 334(3); THE 224(1), 255(2), 506(3)

4. Outdoor Education Activities: AGS 161(3), 162(1); MIL 101(2), 102(2), 211(2); KIN 110(1), 114(1), 260(2); REC 160(1), 451(3)

5. Sports: KIN 112(1), 113(1), 118(1), 127(1), 130(1), 133(1), 135(1), 143(1), 145(1), 147(1), 149(1), 234(2), 264(2), 273(1)

2. Complete 27 hours, with advisor approval, from one of the following emphases:

   a. Health and Wellness Promotions:
   Prepares students for various opportunities in the fitness industry, health-related services, and wellness management and promotion. Select 27 hours from Required Courses: KIN 257(2), 350(3), 360(4), 362(4), 569(4); REC 415(3); KIN 281(1) or 282(1); BMS 130(3) or BMS 240(3); MKT 150(3) or MKT 350(3)

   b. Parks and Outdoor Recreation:
   Prepares students for careers in parks and outdoor recreation and outdoor education within the public or private sector in adventure recreation, outdoor recreation/education facilities, or government natural resource management agencies. Must take the following 18 required hours: REC 211(3), 302(3), 311(3), 325(3), 411(3), 415(3). Select 3 hours from Outdoor Skills: REC 160(1), 451(3); KIN 110(1), 114(1), 135(1). Select 3 hours from Leadership/Education: CFD 163(3), CFD 361(3); COM 205(3), 325(3). Select 3 hours from Environmental Integration: AGN 143(3); BIO 373(3); GLG 171(3), 350(3); GRY 108(3), 300(3), 301(3), 351(3).

   c. Recreation Management:
   Prepares students for careers in administering recreation services and events in the Armed Forces, municipal parks and recreation departments, campus recreation, sporting goods retail, facility management, residential camps, resort recreation, travel, tourism and hospitality industry, meeting planning, and not-for-profit organizations: at-risk youth organizations, Boys and Girls Clubs, church recreation, Scouting, and YMCA. Select 15 hours from Required Courses: REC 406(3), 415(3); BUS 135(3); MGT 286(3); MGT 340(3) or PSY 305(3). Select 12 hours from electives: REC 160(1), 302(3), 305(3), 320(3), 325(3), 451(3); MGT 410(3); MKT 350(3), 355(3), 485(3); PLS 351(3).

   d. Sport Administration:
   Prepares students for careers in leadership opportunities in administering athletic programs, athletic teams, competitive sport camps and clinics, facilities and leagues; managing various sport entities, including Olympic training sites, municipal league programs, youth sport agencies, tournament management, sport administration and marketing, special event planning, retail sports industries, and coaching at the college or above level. Complete 16 hours from Required Courses: KIN 386(3), 485(2); REC 406(3), 415(3); BUS 135(3); MGT 286(3). Select 11 hours from electives: KIN 218(2), 234(2); REC 325(3), 405(2); BUS 307(2); MGT 340(3), 410(3).

e. Therapeutic Recreation: This emphasis has been temporarily suspended and is not being offered at this time. Contact the Kinesiology Department for more information.

3. First Aid Proficiency: Each major must show proficiency in First Aid and Cardio Pulmonary Resuscitation (CPR). Students must provide copies of their ***current*** First Aid and CPR cards/certifications to the internship coordinator prior to enrolling in REC 491 and maintain current certifications throughout the internship. Certifications can be completed by the following:
   a.
      1. Complete the American Red Cross First Aid course and CPR course and obtain certification (see www.redcross.org for information)
      2. Complete the American Heart Association First Aid course and CPR course and obtain certification (see www.americanheart.org for information)
      3. Emergency Medical Technician (EMT) certification

4. Public Affairs Capstone Experience will be fulfilled by completion of REC 335(3) and 491(8 or 12).

5. General Baccalaureate Degree Requirements

## Recreation, Sport, and Park Administration (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirement: KIN 210(3) or KIN 286(3)

B. Major Requirements (56-60 hours) Note: All other coursework (including General Education Program, major(s), minor(s), if applicable), and all General Baccalaureate Degree Requirements, must be completed prior to taking REC 491, Recreation, Sport, and Park Administration Internship.

   1. Core Requirements (47-51 hours)

      a. Complete the following courses: REC 152(3), 190(3), 200(3); REC 211(3) or 311(3) or 411(3); REC 330(3), 335(3), 390(3), 410(3), 422(3), 423(3), 490(1), 491(8 or 12)

      b. Complete the following statistics courses: REC 328(3)

c. Complete at least 5 hours of skills classes, with advisor approval, from the areas below with a maximum of 4 hours from any one area:

1. Arts and Crafts: ART 100(3), 115(3), 212(3), 255(3); CIS 205(3)

2. Dance and Rhythms: KIN 125(1), 240(2), 270(1); MUS 100(2), 103(3), 104(3), 133(1), 135(1), 137(1)

3. Drama and Theater: ENG 334(3); THE 224(1), 255(2), 506(3)

4. Outdoor Education Activities: AGS 161(3), 162(1); MIL 101(2), 102(2), 211(2); KIN 110(1), 114(1), 260(2); REC 160(1), 451(3)

5. Sports: KIN 112(1), 113(1), 118(1), 127(1), 130(1), 133(1), 135(1), 143(1), 145(1), 147(1), 149(1), 234(2), 264(2), 273(1)

2. Complete, with advisor approval, 9 hours from one of the following emphases:

a. Recreation Management:
Prepares students for careers in administering recreation services and events in the Armed Forces, municipal parks and recreation departments, campus recreation, sporting goods retail, facility management, residential camps, resort recreation, travel, tourism and hospitality industry, meeting planning, and not-for-profit organizations: at-risk youth organizations, Boys and Girls Clubs, church recreation, Scouting, and YMCA. Complete the following 3 Required Courses: REC 406(3), 415(3); MGT 340(3) or PSY 305(3).

b. Sport Administration:
Prepares students for careers in leadership opportunities in administering athletic programs, athletic teams, competitive sport camps and clinics, facilities and leagues; managing various sport entities, including Olympic training sites, municipal league programs, youth sport agencies, tournament management, sport administration and marketing, special event planning, retail sports industries, and coaching at the college or higher level. Complete the following 3 Required Courses: REC 325(3), 406(3), 415(3).

3. First Aid Proficiency: Each major must show proficiency in First Aid and Cardio Pulmonary Resuscitation (CPR). Students must provide copies of their ***current*** First Aid and CPR cards/certifications to the internship coordinator prior to enrolling in REC 491 and maintain current certifications throughout the internship. Certifications can be

completed by the following:

a. Complete the American Red Cross First Aid course and CPR course and obtain certification (see www.redcross.org for information)

b. Complete the American Heart Association First Aid course and CPR course and obtain certification (see www.americanheart.org for information)

c. Emergency Medical Technician (EMT) certification

4. Public Affairs Capstone Experience will be fulfilled by completion of REC 335(3) and 491(8 or 12).

C. Minor required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Recreation, Sport, and Park Administration

Bachelor of Arts
Bachelor of Science

1. Complete the following six courses: REC 152(3), 190(3), 205(3), 390(3), 422(3), 423(3)

2. Complete one of the following courses: REC 211(3), 311(3), 411(3)

## Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Respiratory Therapy

## Major(s)

### Respiratory Therapy (Comprehensive)

Bachelor of Science
Eligibility for admission to the B.S. degree program is limited to those persons who have completed a registry level program in Respiratory Therapy. This program is intended for those who are seeking career enhancement in the field of Respiratory Therapy.

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 121(4) or BMS 110(3) and 111(1); PHY 123(4); PSY 121(3)

B. Major Requirements

   1. BMS 307(4), 308(4), 561(4); BIO 210(3); ACC 201(3) or ECO 155(3)*; CHM 116(4) and 117(1) or CHM 160(4) and 161(1)
      ** May be used in General Education Requirements*

   2. Completion of a registry level program in Respiratory Therapy (12 hours credited as lower division, 23 hours upper division)

   3. Specialty Requirements (choose one option):

      a. **Education:** PSY 390(3), SEC 300(2), SEC 301(2), EDT 565(3), SFR 396(2); plus two courses from PSY 441(3); SFR 250(3) or 353(2) or 354(2); SFR 547(2)

      b. **Management:** ECO 155(3); MGT 340(3), MGT 341(3); plus two courses from ACC 211(3); MGT 345(3), MKT 367(3), MKT 368(3); QBA 237(3)

      c. **Science:** MTH 340(3); plus 11 hours of electives selected with approval of advisor.

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Health Promotion and Wellness

## Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# School of Nursing

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Nursing, Bachelor of Science in (generic, 4-year program)(BSN)

Nursing, Bachelor of Science in (completion program for registered nurses) (BSN)

Health Care Management (Minor)

### Graduate

Nurse Educator, Post-Master's (Certificate)

Nursing, Master of Science in (MSN)

Nursing Practice, Doctor of (DNP)

## Accreditation and approval

- Commission on Collegiate Nursing Education – all programs
- The generic 4-year nursing program leading to a Bachelor of Science in Nursing meets full approval of the Missouri State Board of Nursing.

## General information

### Clinical hours

## Contact

**Director**

Kathryn L. Hope, PhD

**Office**

Professional Building, Room 300

**Phone**

Clinical and laboratory hours represent the number of hours per week the course will meet in clinical and laboratory experiences outside the classroom. In nursing, three clinical hours are required for one credit hour. For example, a four credit hour clinical course with two hours of lecture will have six hours of clinical experiences. Two laboratory hours are required for one credit hour. For example, a four credit hour laboratory course with two hours of lecture will have four hours of laboratory experience.

## Nursing electives for non-nursing majors

NUR 199, 326, 327, 420, 472, 490, 492, 501, 502, 503, 510, 515, and 565 may be taken by students in other departments and as continuing education courses by nondegree seeking students.

417-836-5310

**Fax**

417-836-5484

**Email**

Nursing@missouristate.edu

**Website**

www.missouristate.edu/nursing

# Nursing Faculty

## Professors

Kathryn L. Hope, PhD

Rose A. Utley, PhD

## Assistant professors

Allison B. Anbari, BSN

Louise L. Bigley, MSN

Jo Ellen Branstetter-Hall, PhD

Melissa Penkalski, DNP

## Clinical assistant professors

Jan Atwell, MSN

Shelley L. Carter, BSN

Carol A. Daniel, MSN

Carolyn F. Graves, MSN

Alisha K. Jones, MSN

Vanessa L. McConnell, MSN

Kathryn A. Patterson, DNP

## Emeritus faculty

Elizabeth M. Fahey, MSN

Caroline A. Helton, MS, MN

Debra L. Savinske, MN

Susan Sims-Giddens, EdD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Nursing Courses

## Nursing (NUR) courses

**NUR 199 Health Topics**

Topics of general interest in health care system, and the health professions. Topics may vary each semester; the course may be taken to a maximum of 10 hours provided the same topic is not repeated. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**NUR 300 Nursing Transition**

*Prerequisite: graduate of a practical nurse program approved by a US state board of nursing.*

Content relevant to the transition from the practical nurse role to the professional registered nurse role.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**NUR 302 Concepts in Nursing**

*Prerequisite: admission to the 4-year Generic Nursing program.*

Introduction to nursing process, theory, and concepts relevant to professional nursing.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**NUR 303 Art and Science of Nursing I**

*Prerequisite: admission to the 4-year Generic Nursing program.*

Introduction to basic skills and technology used in professional nursing. Includes clinical experience of not less than 48 hours. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Summer
Projected offerings

**NUR 304 Art and Science of Nursing II**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements.*

Introduction to complex skills, technology, and nursing care of the adult client in professional nursing. Includes clinical experience of not less than 96 hours. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**NUR 311 Introduction to Family Health Nursing**

The study of the care of the family from a nursing perspective. Provides an introduction to theoretical foundations as it relates to families, genomics, research, and family nursing. Explores family communication, decision making, roles, and values, including beliefs, attitudes, and practices of diverse cultures. Utilizes health care informatics and information technology to assess and analyze data relevant to families.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**NUR 312 Nursing: The Adult Client**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements.*

Professional nursing care of adult clients experiencing acute and chronic illness. Includes clinical experience of not less than 96 hours. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 4
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**NUR 322 Nursing: The Childbearing Family**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements.*

Professional nursing care of childbearing families in diverse settings. Includes clinical experience of not less than 48 hours. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**NUR 323 Nursing: The Pediatric Client and Family**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements.*

Professional nursing care of pediatric clients and their families in diverse settings. Includes clinical experience of not less than 96 hours. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**NUR 326 Current Issues in Children's Health and Safety**

Issues relative to the health and safety of children. Methods to reduce morbidity and mortality rates are included. Content appropriate for non-nursing majors. Variable content course. Cannot be used to meet the nursing elective requirement.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**NUR 327 Issues in Women's Health**

Issues concerning women's health. Content is appropriate for non-nursing majors. Variable course content. Cannot be used to meet the nursing elective requirement.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**NUR 331 Nursing: The Mental Health Client**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements.*

Professional nursing care of mental health clients in diverse settings. Includes clinical experience of not less than 48 hours. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**NUR 342 Nursing: Health Assessment**

*Prerequisite: admission to the Generic 4-Year Nursing Program or the Nursing Completion Program for Registered Nurses; and meet program progression requirements.*

Acquisition and utilization of skills in health history interviewing and physical assessment of clients throughout the life span. Supplemental course fee. Only BSN-C students may enroll in the online section. Identical with NRS 342. Cannot receive credit for both NUR 342 and NRS 342.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**NUR 360 Introduction to Pharmacology**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements, or permission of instructor.*

Introduction to basic pharmacology, pharmacokinetics and pharmacodynamics of major drug classifications.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 416 Nursing: The Older Adult Client**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements.*

Professional nursing care of older adults in diverse settings.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**NUR 420 Integrative Healthcare Concepts**

Exploration of integrative health care concepts and interventions used to promote health and well being of individuals, families and groups from diverse backgrounds. Provides an introduction to theories and research which underlie patient education, family assessment and intervention, and selected noninvasive therapies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**NUR 442 Nursing: Community Health**

*Prerequisite: admission to the 4-year Generic Nursing Program or the Completion Program for Registered Nurses; and meet program progression requirements.*

Theory and clinical experience in nursing practice to aggregates and communities with a focus on vulnerable populations across the global spectrum. Focus on nursing knowledge and skills in community health nursing and nursing research to promote health and prevent disease. Includes clinical experiences of no less than 96 hours. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:** 4
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**NUR 472 Writing II: Nursing Research and Scholarly Writing**

*Prerequisite: ENG 110 or equivalent; a statistics course (AGR 330, MTH 340, PSY 200, PSY 527, PSY 611, QBA 237, SOC 302 or equivalent) or concurrent enrollment; and 45 hours.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

This course will prepare the student to write in a variety of styles, in addition to reading, interpreting, and evaluating nursing research. The student will acquire an understanding of the research process, apply relevant research to health and human service disciplines, and demonstrate the accurate dissemination of research results in verbal and written format. This course will assist students to develop an attitude of inquiry, expand logical thinking, and enhance analytical skills.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 475 Nursing Internship**

*Prerequisite: permission.*

This clinical course fosters the development of nursing roles, clinical nursing skills, communication, therapeutic nursing interventions, and critical thinking in approved health care agencies in the community. This nursing elective course is for variable credit and may be repeated. Graded Pass/Not Pass only.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 478 Nursing: Senior Seminar**

*Prerequisite: admission to the 4-year Generic Nursing Program; and meet program progression requirements.*

Exploration of issues and policies affecting nursing as a profession. Also includes preparation for licensure.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**NUR 482 Nursing: Leadership and Management**

*Prerequisite: admission to the 4-year Generic Nursing Program or the Completion Program for Registered Nurses; and meet program progression requirements.*

Development of the nurse as a leader and manager in diverse settings. Includes clinical experience of not less than 96 hours. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 4
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**NUR 484 RN-BSN Capstone**

*Prerequisite: admission to the Completion Program for Registered Nurses; and meet program progression requirements.*

This capstone course emphasizes reflection, integration, and synthesis of concepts from previous courses. Students will demonstrate their knowledge of course and program outcomes, integrate cultural competence, ethical leadership, and identify factors that impact healthcare access for vulnerable populations.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 490 Emergency Care**

*Prerequisite: admission to the 4-year Generic Nursing Program or the Completion Program for Registered Nurses, and meet progression requirements or permission of instructor.*

An overview of physiological, psychological, social, cultural, legal and ethical factors that influence the health of persons with emergency health care needs. Emphasis will be placed on (a) roles and responsibilities for emergency care providers, (b) principles of emergency and mass casualty care, (c) emergency assessment of persons experiencing medical or traumatic emergencies, (d) prioritizing health care needs and interventions, and (e) evaluating effectiveness of interventions for clients throughout the lifespan. Content appropriate for nurses and other health care providers.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 492 Basic EKG Interpretation**

*Prerequisite: admission to the 4-year Generic Nursing Program or the Completion Program for Registered Nurses; and meet program progression requirements or permission of instructor.*

This course introduces a systematic method of assessing single lead EKG's. The course includes analysis and treatment of sinus rhythms, conduction blocks, atrial, junctional and ventricular dysrhythmias. Content appropriate for nurses and other health care professions.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**NUR 499 Special Topics in Nursing**

*Prerequisite: permission.*

Independent study in area of special interest. May be taken up to maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**NUR 501 Gerontological Health Care**

*Prerequisite: junior standing.*

This course will address health issues of older adults, including the normal biological and psychosocial aging process, common health problems, and access to and use of health services. It includes international models of aging and geriatric care. The focus is on healthy aging and adaptation to chronic health conditions. This course has a community experience component. May be taught concurrently with NUR 631. Cannot receive credit for both NUR 631 and NUR 501.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 502 Rural Health**

*Prerequisite: junior standing.*

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations, and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with SWK 502. Cannot receive credit for both NUR 502 and SWK 502. May be taught concurrently with NUR 632. Cannot receive credit for both NUR 632 and NUR 502.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 503 Transcultural Healthcare**

*Prerequisite: permission of instructor.*

Exploration of health beliefs, values, and practices of other cultures. This is a short-term study away course and counts as an elective toward the Bachelor of Science in Nursing degree. May be taught concurrently with NUR 633. Cannot receive credit for both NUR 633 and NUR 503.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**NUR 515 Healthcare Informatics**

Integration of health, computer and information sciences in managing information to support healthcare and research. Development of skill in managing information and using information systems relevant to health care. Identical with NRS 515. Cannot receive credit for both NUR 515 and NRS 515. May be taught concurrently with NUR 635. Cannot receive credit for both NUR 635 and NUR 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 530 Forensic Nursing: A Multidisciplinary Approach**

*Prerequisite: admission to the 4-year Generic Nursing Program or the Completion Program for Registered Nurses; and meet program progression requirements or permission of instructor.*

This course will explore the professional, ethical, and legal aspects of forensic nursing including the multidisciplinary approach to the care of the sexual assault victim and other victims of violent crime, the collection of forensic evidence and documentation of findings, and testifying in court. This course meets the educational component to take the certification exam as a Sexual Assault Nurse Examiner (SANE) nurse.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**NUR 565 Advanced Human Pathophysiology**

*Prerequisite: admission to the 4-year Generic Nursing Program or the Completion Program for Registered Nurses; and meet program progression requirements or permission of instructor.*

Exploration of pathophysiology with focus on health care problems relevant to nursing. Identical with NRS 565. Cannot receive credit for both NUR 565 and NRS 565. May be taught concurrently with NUR 640. Cannot receive credit for both NUR 565 and NUR 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 596 Independent Study in Nursing**

*Prerequisite: permission of instructor.*

Special topics for individual students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 695. Cannot receive credit for both NUR 695 and NUR 596.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**NUR 597 Special Topics in Nursing**

*Prerequisite: permission of instructor.*

Special topics for groups of students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 696. Cannot receive credit for both NUR 696 and NUR 597.

**Credit hours:** 1-3
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Upon demand
Projected offerings

**NUR 631 Gerontological Health Care**

This course will address health issues of older adults, including the normal biological and psychosocial aging process, common health problems, and access to and use of health services. It includes international models of aging and geriatric care. The focus is on healthy aging and adaptation to chronic health conditions. This course has a community experience component. May be taught concurrently with NUR 501. Cannot receive credit for both NUR 501 and NUR 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 632 Rural Health**

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations, and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with SWK 602. Cannot receive credit for both NUR 632 and SWK 602. May be taught concurrently with NUR 502. Cannot receive credit for both NUR 502 and NUS 632.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 633 Transcultural Healthcare**

*Prerequisite: permission of instructor.*

Exploration of health beliefs, values, and practices of other cultures. This is a short-term study away course. May be taught concurrently with NUR 503. Cannot receive credit for both NUR 503 and NUR 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**NUR 635 Healthcare Informatics**

Integration of health, computer and information sciences in managing information to support healthcare and research. Development of skill in managing information and using information systems relevant to health care. May be taught concurrently with NUR 515. Cannot receive credit for both NUR 635 and NUR 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 640 Advanced Human Pathophysiology**

*Prerequisite: admission to the Family Nurse Practitioner or Nurse Educator specialization or instructor permission.*

Exploration of pathophysiology with focus on health care problems relevant to nursing. May be taught concurrently with NUR 565. Cannot receive credit for both NUR 640 and NUR 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 695 Independent Study in Nursing**

*Prerequisite: permission of instructor.*

Special topics for individual students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 596. Cannot receive credit for both NUR 596 and NUR 695.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 696 Special Topics in Nursing**

*Prerequisite: permission of instructor.*

Special topics for groups of students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 597. Cannot receive credit for both NUR 597 and NUR 696.

**Credit hours:** 1-3
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Upon demand
Projected offerings

**NUR 700 Epidemiology**

*Prerequisite: admission to the graduate programs in Nursing.*

This course is an introduction to the epidemiological methods and procedures utilized in the study of the origin, distribution, and control of disease. It will include the study of infectious and non-infectious disease etiology, including vector control, host defenses and resistance, and investigation of disease outbreaks. Students will learn to use basic epidemiological concepts and methods for program planning, evaluation, and research. Basic statistical measures used in the analysis of clinical and epidemiological evaluations, including measures of disease frequency and measures of absolute and relative effects, will be covered. Identical with PBH 720. Cannot receive credit for both NUR 700 and PBH 720.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 701 Nursing Science**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

This course is designed to address how nursing science has evolved and the state of the art of nursing science. Emphasis will be placed on analysis and critique of existing nursing models and theories.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**NUR 703 Population Health: A Local to Global Perspective**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

Fosters development of advanced knowledge of health concepts from a local, state, national, and global perspective. The phenomena of cultural competence, health disparities, and vulnerable/underserved populations will be explored. The course is a pre/corequisite for NUR 704, a cultural immersion course required for family nurse practitioner students.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**NUR 704 Population Health Practicum**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

This course is a clinical component of NUR 703. The clinical experience will include 48 hours of immersion into a vulnerable, underserved or culturally diverse population.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**NUR 707 Advanced Health Assessment and Health Promotion Throughout the Lifespan**

*Prerequisite: admission to a graduate program in Nursing.*

Exploration of advanced health assessment and health promotion strategies for individuals, families, and communities. Includes consideration of diverse populations, cultural competence for providers, exploration of the meanings of health and illness, the use of complementary and alternative therapies, and the impact of spirituality.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**NUR 711 Advanced Roles and Leadership in Nursing**

*Prerequisite: admission to a graduate program in Nursing.*

Examination of advanced nursing roles with emphasis on role theory, leadership, and advanced competencies.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**NUR 715 Primary Care of the Adult**

*Prerequisite: admission to the Family Nurse Practitioner specialization.*

Emphasis on primary, secondary and tertiary prevention as well as on diagnosis and management of health problems. Includes clinical experiences of not less than 96 hours.

**Credit hours:** 6
**Lecture contact hours:** 4
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**NUR 725 Primary Care of Women**

*Prerequisite: admission to the Family Nurse Practitioner specialization.*

Development of the family nurse practitioner's knowledge and skills with emphasis on women's health. Includes clinical experiences of not less than 96 hours.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**NUR 728 Primary Care of Children and Adolescents**

*Prerequisite: admission to the Family Nurse Practitioner specialization.*

Content and practicum in primary care of children and adolescents. Includes clinical experiences of not less than 96 hours.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 6

**Typically offered:** Summer
Projected offerings

**NUR 730 Family Practice I**

*Prerequisite: admission to the BSN-DNP Program.*

Emphasis on evidence-based clinical practice to promote health and prevent chronic disease. Didactic and clinical experiences include assessment, diagnosis and management of acute health problems in the geriatric, adult and pediatric population. Includes clinical experiences of not less than 96 hours. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 4
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**NUR 734 Advanced Physical Assessment and Clinical Reasoning**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnoses, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Supplemental course fee. Identical with ANE 734. Cannot receive credit for both NUR 734 and ANE 734.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**NUR 750 Family Practice II**

*Prerequisite: admission to the BSN-DNP Program.*

Emphasis on evidence-based clinical practice to promote health and prevent chronic disease. Didactic and clinical experiences include assessment, diagnosis and management of chronic health problems in the geriatric, adult and pediatric population. Includes clinical experiences of not less than 96 hours. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 4
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**NUR 761 Advanced Pharmacotherapeutics**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

An in-depth analysis of pharmacotherapeutics and clinical pharmacotherapeutics for nurses in advanced practice including regulatory consideration in drug management. Identical with PAS 781. Cannot receive credit for both NUR 761 and PAS 781.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**NUR 765 Applications of Advanced Pathophysiology**

*Prerequisite: admission to a graduate program in Nursing.*

Clinical application of advanced pathophysiology for advanced nursing roles. Includes laboratory experiences of not less than 32 contact hours.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**NUR 770 Family Practice III**

*Prerequisite: admission to the BSN-DNP Program.*

This course covers special clinical topics in nurse practitioner practice including, but not exclusive to procedures, emergencies/trauma, wilderness medicine, pain management, and generic disorders. Includes clinical experiences of not less than 96 hours. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 4
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**NUR 772 Advanced Research Methods in Nursing**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

Critical analysis of the researcher role, the research process, and research ethics within a nursing framework. Application of learned principles will result in the development of the research proposal.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**NUR 780 Teaching/Learning for Health Care Educators**

*Prerequisite: admission to the Nurse Educator specialization.*

Designed to examine works of major learning theorists and investigate research related to teaching methods and learning. Identification of teaching/learning strategies used in health care education and practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 781 Nursing Education Practicum**

*Prerequisite: admission to the Nurse Educator specialization.*

Clinical experience in a nurse educator role in a basic education program. Application of educational theories and principles in a clinical teaching setting. Includes clinical experiences of not less than 96 hours.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**NUR 782 Curriculum Design and Program Development**

*Prerequisite: admission to the Nurse Educator specialization.*

Basic components and processes of curriculum development. Various perspectives of curriculum design will be discussed. Curriculums for formal educational programs, staff development, and continuing education will be compared.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 783 Nursing Education Practicum II**

*Prerequisite: admission to the Nurse Educator specialization.*

Clinical experience in a nurse educator role in a healthcare or community setting with emphasis on application of educational theories and principles. Includes clinical experiences of not less than 96 hours.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Fall, Spring
Projected offerings

**NUR 784 Technology in Health Care Education**

*Prerequisite: permission.*

This course explores various technology-based health education resources, such as blogs, wikis, YouTube/SchoolTube, Podcasts, Webinars, and social networking tools utilized to support the teaching and learning process. Strategies to assess learners, to develop learner evaluation plans, and to measure learning outcomes will be discussed.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**NUR 786 Issues in Healthcare Education**

*Prerequisite: admission to the Nurse Educator specialization.*

Exploration of current issues in academic and healthcare education. Issues occurring in the university, community college, acute care, and community education settings will be included.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**NUR 788 Health Policies and Issues**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

Exploration of current issues in health care, such as access to health care, reimbursement, health care reform, case management, and health policy development. Health care trends related to special populations and ethical issues will be emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NUR 790 Family Nurse Practitioner Advanced Practicum**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

Development of the role of a family nurse practitioner in a supervised setting. Includes clinical experiences of not less than 240 hours. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 0
**Lab contact hours:** 15

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 797 Non-thesis Project**

*Prerequisite: admission to the Family Nurse Practitioner or Nurse Educator specialization.*

Active participation in the on-going research and/or nursing evaluation activities of nursing faculty. Culminates in a presentation of an extensive scholarly paper. Must be repeated for a minimum of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 798 Research**

*Prerequisite: permission of research advisor.*

Application of the research process in the supervised study of a selected problem. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**NUR 799 Thesis**

*Prerequisite: admission to the Family Nurse Practitioner or Nurse Educator specialization.*

Demonstration of the capacity for research and independent thought culminating in a thesis. Must be repeated for a minimum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 800 DNP Leadership I: Concepts for Evidence-Based Practice**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

This course explores foundational concepts and theories for the development of the DNP nurse leader and the DNP Change Project. Concepts include transforming healthcare through evidence-based practice, quality improvement, leadership in healthcare systems, project planning, evaluation of evidence, and consideration of disparities in health and healthcare from a population focus.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**NUR 802 Emerging Science of Advanced Practice**

*Prerequisite: admission to the DNP Program.*

In this course, concepts, theories, and philosophical perspectives relevant to nursing science, research, and advanced nursing practice are examined. Emphasis is placed on exploring, analyzing, and applying concepts, theories, philosophies, and research applicable to the discipline of nursing in general, and to the student's area of advanced practice and research.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**NUR 820 Social Justice and Disparities in Health and Healthcare**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

This course fosters development of advanced knowledge of cultural competence, health and healthcare disparity, and social justice concepts. The role of the advanced practice nurse in relation to cultural competence, health and healthcare disparity, and population health is analyzed.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**NUR 824 Health Policy to Improve Health Disparities**

*Prerequisite: admission to the DNP Program.*

This course will analyze the development and implementation of health care policy and promote the role of the advanced practice nurse in policy making as an advocate for issues related to social justice, vulnerable populations, and health disparities.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**NUR 830 DNP Leadership II: Impacting Disparities in Health and Healthcare**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

Building on NUR 800, the focus of this course includes the concepts of leadership, change, problem solving, ethical decision making theories and their application to project planning. The concepts of translational research, quality improvement, and budgeting, within a health and healthcare disparities framework will be addressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**NUR 840 Technology for Transforming Nursing and Healthcare Systems**

*Prerequisite: admission to the DNP Program.*

This course is designed to provide an overview of nursing and healthcare information technology for the advanced practice nurse. The purpose of this course is to explore information system concepts and leverage technologies that can be used to improve quality, enhance patient safety, and transform the health of individuals, families, communities and populations.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**NUR 860 DNP Leadership III: Transforming Systems**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

This course builds on previous DNP Leadership courses with an emphasis on advanced leadership roles for transforming health and healthcare disparities at the systems level. Concepts addressed include implementing a strategic plan and evaluating plan outcomes; resource management; leading and managing change and innovation in diverse healthcare environments; healthcare economics; influencing healthcare policy, and organizational culture and behavior; program/impact evaluation. Advanced leadership roles, such as consultant, entrepreneur, grant writer, mentor, advanced advocate, and change agent will be included.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**NUR 990 Introduction to Transforming Practice**

*Prerequisite: admission to the DNP program and meet program progression requirements.*

This course utilizes foundational leadership and evidence-based practice concepts necessary to begin developing a health or healthcare systems change project. Skills applied include identifying research interests, project site, population, key stakeholders, and resources. An initial literature review will be developed to address a health and/or healthcare disparities problem. This course has no less than 48 hours of clinical.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 3

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 991 Transforming Practice I**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

This DNP project course focuses on the application of concepts and skills necessary to plan an improvement change project to address health and/or healthcare disparities. Skills applied include advanced leadership, project planning, budgeting, managing risk, and navigating project barriers. This course has no less than 144 hours of clinical.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 9

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 992 Transforming Practice II**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

During this course, an evidence-based project to transform practice within a healthcare system will be implemented and evaluated. The project will address disparities in health and/or healthcare, and data will be collected for project evaluation. A minimum of 144 clinical hours is required.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 9

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NUR 993 Transforming Practice III**

*Prerequisite: admission to the DNP program and meet program progression requirements.*

During this course, the DNP student will utilize and synthesize project findings with current evidence to develop scholarly products of publications and presentations for dissemination. A minimum of 192 clinical hours is required.

**Credit hours:** 4
**Lecture contact hours:** 0
**Lab contact hours:** 12

**Typically offered:** Fall, Spring, Summer
Projected offerings

## Nursing-RN Completion Program (NRS) courses

**NRS 306 Professional Emergence**

*Prerequisite: registered nurse or permission of instructor.*

Enhancement of nurses' ability to function as professionals. Survey of past, current, and developing trends in nursing and health care delivery, including historical, socio-cultural, legal and ethical dimensions in nursing practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NRS 341 Nursing: Individuals and Families**

*Prerequisite: RN; and admission to the Nursing Completion Program for Registered Nurses; and meet program progression requirements.*

Application of nursing theory and nursing process in the health care of individuals and families.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**NRS 342 Nursing: Health Assessment**

*Prerequisite: admission to the Nursing Completion Program for Registered Nurses; and meet program progression requirements.*

Improvement and utilization of skills in health history interviewing and physical assessment of clients throughout the life span. Identical with NUR 342. Cannot receive credit for both NRS 342 and NUR 342.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NRS 442 Community Health Nursing I**

*Prerequisite: admission to the Nursing Completion Program for Registered Nurses; and permission.*

Theory of nursing practice to aggregates and communities. Focus on nursing knowledge in public health, community health nursing, and nursing research to promote health and prevent disease. Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NRS 443 Nursing: Community Health II**

*Prerequisite: NRS 442; admission to the Nursing Completion Program for Registered Nurses, and permission.*

Theory and clinical experience in nursing practice to aggregates and communities. Focus on nursing knowledge and skills in community health and research to promote health and prevent disease. Includes clinical experiences of not less than 48 hours.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NRS 482 Advanced Leadership and Management for Registered Nurses**

*Prerequisite: NRS 443; and admission to Nursing Completion Program for Registered Nurses; and permission.*

Development of the licensed registered nurse as a leader and manager in diverse settings. Includes clinical experience of not less than 48 hours.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NRS 515 Nursing Informatics**

*Prerequisite: admission to Nursing Completion Program for Registered Nurses.*

This course is designed to provide an integration of health, computer, and information sciences in managing information to support healthcare and research. The students will develop skills in managing information and using information systems relevant to healthcare. Identical with NUR 515. Cannot receive credit for both NUR 515 and NRS 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**NRS 565 Advanced Human Pathophysiology**

*Prerequisite: admission to the Nursing Completion Program for Registered Nurses.*

Exploration of pathophysiology with focus on health care problems relevant to nursing. Identical with NUR 565. Cannot receive credit for both NRS 565 and NUR 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

## Health Care Management (HCM) courses

**HCM 301 Health Care Organization**

Analysis of organizational structure, the nature of health and health care delivery. Emphasizes the interrelatedness of cultural, economic, political, and social aspects of health care delivery along with its services and management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HCM 303 Health Care Legal Issues**

Introduction to the legal system as it relates to health care. Legal responsibilities and issues related to health care institutions, health provider/patient relationships, medical records, malpractice insurance, licensure of health professionals, and ethical problems/questions in health care.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HCM 504 Health Care Economics**

Recommended Prerequisite: ECO 165 or AGB 144. A basic study of the major economic issues facing the health care industry. Emphasis will be placed on the major elements of economic theory from a micro-economic perspective and how these theories are applied in the area of health care. Identical with ECO 504. Cannot receive credit for both HCM 504 and ECO 504. May be taught concurrently with HCM 604. Cannot receive credit for both HCM 604 and HCM 504.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HCM 604 Health Care Economics**

Recommended Prerequisite: ECO 165 or AGB 144. A basic study of the major economic issues facing the health care industry. Emphasis will be placed on the major elements of economic theory from a micro-economic perspective and how these theories are applied in the area of health care. Identical with ECO 604. Cannot receive credit for both HCM 604 and ECO 604. May be taught concurrently with HCM 504. Cannot receive credit for both HCM 504 and HCM 604.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

# Nursing (generic, 4-year program)

## Major(s)

## Nursing (generic, 4-year program) (Comprehensive)

Bachelor of Science in Nursing
The School of Nursing offers a generic, 4-year nursing program that leads to a Bachelor of Science in Nursing degree (BSN). Admission to this program is by application and selection as stated in the admission policies. Student should refer to the *BSN Student Handbook* for additional information on the policies and procedures in the School of Nursing.

### Admission to the Bachelor of Science in Nursing program

Admission to the Bachelor of Science in Nursing program (BSN) is competitive and selective, and not all who apply can be accommodated. Students will be admitted to the nursing program once a year for full-time study. Applications for admission to the program are due January 31, on or before 5:00 PM CST and will be reviewed beginning February 1 in the year prior to summer admission, and continue until the class is full.

Students are encouraged to meet with an advisor in the School of Nursing prior to or upon entering the University to ensure the proper selection and sequencing of prerequisites for the BSN program. The decision to admit a student to the BSN program will be based on a holistic picture of the completed course work and values that are consistent with the conduct of the profession and the ANA Code of Ethics for Nurses (ANA, 2015).

### Admission Policies

1. Admission to Missouri State University.
2. Completion of application to the Generic BSN program to the School of Nursing, including a current resume.
3. Submission of official transcripts of all college course work.
4. Completion of a minimum of 43 credit hours.
5. Completion of the General Education Foundations courses, except Writing II (including those listed in section A. of program requirements) at the time of application to the program, and

have no more than one General Education requirement (other than those listed in section A. of program requirements) remaining at the time the nursing program begins. Also, NUR 472(3) and statistics may be taken during the nursing program as a prerequisite or co-requisite with NUR 442(6), but must be taken prior to the spring semester of the senior year in the program.

6. Completion of the prerequisites BMS 307(4) or KIN 250(3); BMS 308(4) or KIN 252(3) with a grade of "B-" or higher.

7. Completion of the specific General Education requirements listed in section A. of program requirements with a grade of "C" or higher.

8. MTH 135(3) or a higher numbered mathematics course listed in the General Education Quantitative Literacy requirement, chemistry, and anatomy will be given additional points in the selection process if completed by the January 31 application date.

9. A minimum cumulative GPA of 2.75 in all attempted college course work. Complete nursing prerequisites with a grade of "C" or higher.

10. Meet technical standards of the program in order to successfully undertake the course of study. These standards are available upon request from the program.

11. Submit evidence of current immunizations (MMR, Tetanus, Varicella, complete Hepatitis B series, and a PPD or evidence of appropriate medical follow-up for PPD positive individuals).

12. Current American Heart Association (AHA) Basic Life Support (BLS) for Healthcare Providers certification. AHA course information and requirements may be accessed at http://www.onlineAHA.org.

13. All students must carry health insurance throughout the entire program. A comprehensive student group health and accident insurance policy is available through Missouri State University.

14. Applicants who have previously attended a nursing school or another school of a health-related profession must have a letter submitted from the Dean or Head of that school that includes a statement regarding the student’s standing at the previous school. Applicants who have been previously dismissed from a program or were not in good standing at the time of dismissal will not be considered for admission.

15. Applicants must demonstrate academic potential to successfully complete the program.

16. Applicants must demonstrate acceptable levels of maturity, integrity, and behavior and attitudes normally expected of professional nurses.

17. Admission is based on completion of all admission requirements; on cumulative GPA of all attempted college course work, with some additional preference given to current Missouri State University students and to individuals with previous healthcare experience, leadership experience, and/or community service. Additional consideration will be awarded for the grade received on the first attempt of chemistry, anatomy, and the university mathematics requirement.

## Program requirements

A. General Education Program and Requirements
Specific General Education Requirements that must be passed with a grade of "C" or higher are: CHM 116(4); PSY 121(3); SOC 150(3), MTH 135(3) or a higher numbered mathematics course listed in the General Education Quantitative Literacy requirement. Note: CHM 160 is preferred over CHM 116. However, CHM 160 will not count toward the General Education science requirement.

B. Major Requirements. A grade of "C" or higher is required in all courses

1. The following prerequisites must be completed with a grade of "B-" or higher before beginning the first nursing course: BMS 307(4) or KIN 250(3); BMS 308(4) or KIN 252(3)

2. The following prerequisites must be completed with a grade of "C" or higher before beginning the first nursing course: BIO 210(3); BMS 240(3)

3. Upper Division Nursing: NUR 302(4), 303(3), 304(5), 311(2), 312(6), 322(4), 323(5), 331(3), 342(4), 360(3), 416(2), 442(6), 472(3), 478(2), 482(6), 565(3)

4. Select one or more courses from the following to equal three(3) credit hours: HCM 301(3), HCM 303(3), HCM 504(3), NUR 420(3), NUR 490(3), NUR 499(1-6), NUR 501(3), NUR 502(3), NUR 503(3), NUR 515(3), NUR 530(3)

5. Select one course in statistics from the following: SOC 302(3), PSY 200(3), MTH 340(3), QBA 237(3), AGR 330(3), PSY 527(3)

6. Public Affairs Capstone Experience will be fulfilled by completion of NUR 442(6).

C. General Baccalaureate Degree Requirements

## Additional requirements of the program

Students are:

1. Expected to purchase uniforms and initial equipment before beginning nursing courses. A list

of the items and their prices can be obtained from the School of Nursing.

2. Expected to provide their own transportation to clinical sites.

3. Required to pay course fees for each semester they are enrolled in clinical nursing courses. These fees are used to pay for student liability insurance, student evaluation throughout the program, NCLEX-RN preparation, and laboratory and clinical supplies and equipment.

4. Required to initiate and pay for any security checks and drug screenings required for clinical agencies, for application to take the NCLEX-RN, and when applying for licensure with a State Board of Nursing.

5. Apply for criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMo or other disqualification that would prohibit licensure as a registered nurse.

## Retention, Progression, and Graduation Policies

A. After admission into the Nursing major, the students must achieve the following for retention in the major.
    1. Achieve a grade of "C" or higher in all required courses.
    2. Receive a "pass" in all clinical evaluations.
    3. Maintain a University cumulative GPA of 2.50 or higher.
    4. Maintain a cumulative GPA of 2.50 or higher in all nursing and supportive courses.
    5. Courses in the nursing major may not be taken more than twice.
    6. Credit for upper division nursing courses taken more than eight (8) years before the student’s date of graduation may be disallowed by the School of Nursing.
    7. Demonstrate acceptable levels of maturity, integrity, and behaviors and attitudes normally expected of professional nurses.
    8. Maintain current CPR certification, immunizations, annual PPD or appropriate medical follow-up for PPD positive individuals, and health insurance requirements.
    9. Maintain ability to meet technical standards of the program.
    10. Once admitted to the nursing major, students must maintain continuous enrollment in nursing courses and progression through the program.

B. Students who fail to meet the retention criteria may be (a) placed on academic or clinical probation in the nursing major, or (b) dismissed from the nursing program. Students on academic probation must achieve a grade of "B-" or higher in the next 9 hours of course work in nursing or supporting courses attempted. Students on clinical probation must receive a "Pass" in all remaining nursing clinical courses. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission to the nursing major.

C. Graduation from the Generic BSN program does not guarantee a student's eligibility to become licensed as a professional nurse. Eligibility requirements include passing the NCLEX-RN exam and meeting RN licensure requirements for the state in which licensure is sought by the individual. The Missouri State Board of Nursing reserves the right to deny, revoke, or suspend a license. Please refer to: http://www.moga.mo.gov/statutes/c300-399/3350000066.htm

## Readmission Policy

Students who have interrupted their progression in the nursing courses for one semester or more must apply for readmission to the School of Nursing Admission, Progression and Graduation Committee. Applications for readmission will only be considered if the student was in good academic standing in both didactic and clinical courses at the time of withdrawal from the program, and if their studies have been interrupted three (3) semesters or less (excluding summer session). Applications for readmission for students who were in good academic standing at the time of withdrawal and meet the time limit will be reviewed on an individual basis and be based on: space availability in the cohort, prior success in the program, and potential for successful graduation from the program. Students seeking readmission should refer to the current version of the BSN Student Handbook for further information on the Reinstatement Policy for the generic BSN program.

## Transfer Policy

Transfer students with prior nursing courses will be reviewed on an individual basis by evaluating course content and objectives.

# Nursing (completion program for registered nurses)

## Major(s)

### Nursing (completion program for registered nurses) (Comprehensive)

Bachelor of Science in Nursing
The School of Nursing offers a Junior-Senior level nursing program leading to a Bachelor of Science in Nursing degree (BSN). Degree candidates must be registered nurse graduates of associate degree or diploma nursing programs. Admission to the program is by application and selection as stated in the admission policies. Students should refer to the *BSN Student Handbook* for additional information on the policies and procedures in the School of Nursing.

#### Admission Policies

1. Acceptance of application to the University by the Office of Admissions. (Note: Admission to the University does NOT automatically constitute acceptance for the professional program in nursing.)

2. Current licensure in good standing as a registered nurse in the State of Missouri or in the state where they practice.

3. Provide evidence of current health insurance.

4. GPA of 2.75 or higher on a 4.00 scale, based on at least 30 hours of college work. GPAs below 2.75 will be considered on an individual basis.

5. Current American Heart Association BLS for Healthcare Providers certification..

6. Submit evidence of current immunization (MMR, Tetanus, Varicella, complete Hepatitis B series, and a PPD (or evidence of appropriate medical follow-up for PPD positive individuals)).

7. An admission conference with a member of the School of Nursing Faculty or advisor is recommended for direction in sequencing courses.

8. Applicants must demonstrate acceptable levels of maturity, integrity, and behaviors and attitudes normally expected of professional nurses.

9. Applicants must demonstrate acceptable academic potential to successfully complete the

program.

10. Application deadlines for admission are August 1 for fall starts, December 1 for spring starts, and May 1 for summer starts.

## Program Requirements

A. General Education Program and Requirements
Specific General Education Requirements: SOC 150(3) and PSY 121(3)

B. Major Requirements

1. Upper Division Nursing Requirements: NRS 306(3), NRS 341(4), NRS 342(4), NRS 442(2), NRS 443(3), NUR 472(3), NRS 482(4), NRS 515(3), NRS 565(3); IPE 375(3)

2. Select one course in statistics from the following: SOC 302(3), PSY 200(3), MTH 340(3), QBA 237(3), AGR 330(3), PSY 527(3) or others by permission.

3. Public Affairs Capstone Experience will be fulfilled by completion of NRS 443(3).

C. General Baccalaureate Degree Requirements. A maximum of six hours in NUR 499 may be credited toward the degree.

## Technical requirements

The Missouri State University BSN-C is an online program. Didactic online content is delivered using asynchronous and synchronous formats. Applicants to the BSN-C program must be computer literate and be comfortable using word processing, spreadsheet management, and presentation graphics software. Students are expected to manage files, navigate the internet and access resources, and use a headset, computer camera, scanner, and fax machine. Students who have deficiencies in these areas are encouraged to seek training before the start of the program.

The School of Nursing uses a Blackboard course management system for all courses. Additionally the Adobe Macromedia software is used for synchronous course offerings and other experiences. Videoconferencing may be used with Adobe Macromedia or Skype software. Requirements of the program include access to broadband (Cable or DSL) connections, a web camera and microphone headset, and a laptop computer with wireless capabilities to meet the minimal hardware requirements. Our multimedia content is optimized for Internet Explorer and Firefox.

## Additional requirements of the program

1. Students will be required to initiate and pay for any security checks and drug screenings required for clinical agencies.

2. Apply for criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMo or other disqualifications that would prohibit licensure as a registered nurse.

3. Students are expected to purchase community uniforms and initial equipment before beginning nursing courses. A list of the items and their prices can be obtained from the School of Nursing.

4. Students are expected to provide their own transportation to clinical sites.

5. Students are required to pay course fees for each semester they are enrolled in clinical nursing courses.

### Readmission policy

Continuing enrollment in Missouri State must be maintained to be considered a student in the BSN program. Students who interrupt their education for a year or more must follow University readmission policies and petition the School of Nursing to be reinstated in the nursing program at which time the previous course work will be reevaluated.

### Retention, progression and graduation policies

A. After admission into the Nursing major, the students must achieve the following for retention in the major.
    1. Achieve a grade of "C-" or better in all required courses.
    2. Receive a "pass" in all clinical evaluations.
    3. Maintain a University cumulative GPA of 2.50 or higher.
    4. Maintain a cumulative GPA of 2.50 or higher in all nursing and supportive courses.
    5. Courses in the nursing major may not be taken more than twice.
    6. Credit for upper division nursing courses taken more than 8 years before the student’s date of graduation may be disallowed by the School of Nursing.
    7. Maintain current immunizations, annual PPD or appropriate medical follow-up for PPD positive individuals, and health insurance requirements.
    8. Maintain current American Heart Association BLS for Healthcare Providers certification.

B. Students who fail to meet the retention criteria may be (a) placed on academic or clinical probation in the nursing major, or (b) dismissed from the nursing program. Students on

academic probation must achieve a grade of "B-" or higher in the next 9 hours of coursework in nursing or supporting courses attempted. Students on clinical probation must receive a "Pass" in all remaining nursing clinical courses. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission to the nursing major.

# Health Care Management

## Minor(s)

### Health Care Management

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Nursing

A. HCM 301(3), HCM 303(3); HCM 504(3) or ECO 504(3); ECO 165(3) or AGB 144(4); MGT 345(3)

B. Six hours from: ACC 201(3); MGT 341(3); MKT 350(3); NUR 515(3); SOC 341(3) for a total of no fewer than 21 hours.

# Department of Occupational Therapy

## Programs

### Graduate

Occupational Therapy, Master of (MOT)

## Accreditation

Accreditation Council for Occupational Therapy Education - Master of Occupational Therapy (MOT)

## Contact

**Department head**

Sapna Chakraborty, OTD

**Office**

O'Reilly Clinical Health Sciences Center, Suite 203

**Phone**

417-836-6190

**Fax**

417-836-6208

**Email**

OccupationalTherapy@MissouriState.edu

**Website**

www.missouristate.edu/ot

# Occupational Therapy Faculty

## Assistant professors

Ashlea D. Cardin, OTD

Sapna Chakraborty, OTD

Marc S. Willey, PhD

## Clinical assistant professor

Tara L. Boehne, MS

## Clinical instructor

Traci A. Garrison, MSOT

Missouri State

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# Occupational Therapy Courses

## Occupational Therapy (OTE) courses

**OTE 610 Foundations and Theory in Occupational Therapy**

*Prerequisite: admission to the Master of Occupational Therapy program.*

This course establishes a foundation for how theory, frames of reference, and models guide occupation-based practice, as well as the history and development of the occupational therapy profession. The science of occupation key terms and concepts utilized in the field, current issues impacting occupational therapy, interprofessional practice, and professional ethics, values and responsibilities are discussed. The various areas of practice and specialization are also introduced.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**OTE 612 Occupational Development Through the Lifespan**

*Prerequisite: admission to Master of Occupational Therapy program.*

The focus of this course is on the skill progressions in typical and atypical development and how these sequences impact occupational performance across the lifespan; environmental and cultural influences on development are also examined. The cognitive, psychosocial and physical aspects of the person on daily function are discussed in relation to occupation-based practice. The acquisition of values, roles, habits, temporal adaptations, interests and interprofessional collaboration are explored.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**OTE 615 Clinical Reasoning and Documentation**

*Prerequisite: OTE 610.*

This course establishes the framework for documenting outcomes of occupation-based practice in an interprofessional environment, summarizes current theories and research about clinical and professional reasoning, and provides learning activities such as case studies designed to promote effective reasoning. Students will learn and apply effective documentation techniques used in the profession including electronic medical records.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**OTE 620 Psychosocial Perspectives in Occupational Therapy Practice**

*Prerequisite: OTE 610; and concurrent enrollment in OTE 680.*

This course provides an overview of psychosocial conditions across the lifespan among various environments that impact client function in the areas of occupation, performance skills and performance patterns. Topics include, but are not limited to crisis intervention, therapeutic use of self, specific intervention strategies, group dynamics, types of groups, group protocol development, and interprofessional collaboration. Cultural and community perspectives of mental and physical health are also examined.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**OTE 624 Therapeutic Modalities**

*Prerequisite: OTE 610.*

A study of the theory and application of various therapeutic modalities used in the treatment of many injuries, including ultrasound, diathermy, electrical stimulation, hydrotherapy, cryotherapy and thermotherapy. May be taught concurrently with ATC 324. Cannot receive credit for both OTE 624 and ATC 324. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**OTE 640 Evidence-Based Practice**

*Prerequisite: OTE 610.*

Course will analyze the clinical reasoning process used in health care disciplines, examine the different types and levels of clinical evidence and explore the implementation of evidence-based practice skills in the client-centered and occupation-based practice. This course establishes a framework to develop interventions, promote health, well-being and community engagement.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**OTE 645 Clinical Gross Anatomy**

*Prerequisite: admission to Master of Occupational Therapy program.*

The course offers in-depth coverage of basic, applied, and clinical aspects of gross anatomy. An advanced, musculoskeletal anatomy course that emphasizes the study of functional relationships between musculature, nervous tissue, vascular, and skeletal components for the extremities and axial skeleton: Cadaver dissection laboratory experience is used to enhance understanding of three dimensional anatomical relationships for specific body regions. Students observe, discuss, teach, learn and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students (peer-teaching) in laboratory sessions, and assignments that rely on critical thinking. Supplemental course fee. Identical with BMS 645. Cannot receive credit for both OTE 645 and BMS 645.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**OTE 646 Neuroscience**

*Prerequisite: OTE 645.*

This course covers the foundations of neuroscience as they relate to the evaluation and treatment of occupational therapy clients. Topics include the properties of cells in the nervous system and major structures and functions of the central, peripheral, and autonomic nervous systems; sensory pathways, central processing and output mechanisms and how systems interact to influence occupational performance. Discussion of neurological diagnoses and theories for treatment is included.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**OTE 650 Introduction to Biomedical Biomechanics**

*Prerequisite: OTE 645.*

Biomechanical fundamentals and principles as they apply to the human organism; description of normal motion emphasizing orthopedic biomechanics and neuromuscular control. May be taught concurrently with BMS 450. Cannot receive credit for both OTE 650 and BMS 450.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**OTE 680 Fieldwork Level I, Part 1**

*Prerequisite: permission of Master of Occupational Therapy Program Director; and concurrent enrollment in OTE 620.*

This course is designed to provide students familiarity with a variety of clients, diagnoses, age ranges, and contexts; and to see the roles or potential roles of occupational therapists. This is a supervised, 35-40 hour fieldwork experience that provides the opportunity to observe the occupational therapy process and interprofessional practice. This experience will focus on psychosocial issues in occupational therapy. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**OTE 690 Fieldwork Level I, Part 2**

*Prerequisite: permission of Master of Occupational Therapy Program Director.*

This course is designed to provide students with continued familiarity with a variety of clients, diagnoses, age ranges, and contexts; and to see the roles or potential roles of occupational therapists. This is a supervised, 35-40 hour fieldwork experience that provides the opportunity to observe the occupational therapy process and interprofessional practice. Must be repeated twice for a total of 2 hours. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**OTE 720 Conditions I: Cognitive Dysfunction**

*Prerequisite: OTE 620 and OTE 646.*

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common cognitive conditions impacting occupational performance. The effects of neurological conditions, disabilities, and disorders on individuals are examined within the cultural context of family, community, and society. Relationships among cognitive disorders, impairments, activity limitations, function/dysfunction, and participation restrictions are emphasized in relation to their impact upon occupation. Students begin to explore occupation-based assessment and treatment of the various conditions seen in interprofessional practice.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**OTE 725 Environmental Adaptations and Assistive Technology**

*Prerequisite: admission to Master of Occupational Therapy program.*

Concepts, principles, selection and application of environmental adaptations and assistive technology to improve client function across the lifespan will be examined. Domains presented include, but are not limited to vision, hearing, communication, mobility, cognition, and environmental controls, and interprofessional collaboration. Modifications and high and low technology devices used in occupation-based practice will be discussed.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**OTE 730 Conditions II: Physical Dysfunction**

*Prerequisite: OTE 720.*

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common physical conditions impacting occupational performance. The effects of physical conditions, disabilities, and disorders on individuals are examined within the cultural context of family, community, and society. Relationships among physical disorders, impairments, activity limitations, function/dysfunction, and participation restrictions are emphasized in relation to their impact upon occupation. Students begin to explore occupation-based assessment and treatment of the various conditions seen in interprofessional practice.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**OTE 732 Applied Research Methods in Health Care**

*Prerequisite: admission to Master of Occupational Therapy program.*

Research course in which students deepen their understanding and enhance their research abilities in order to contribute to the advancement of their chosen health care discipline. Course will explore topics of research design and research methods for conducting applied and clinical research projects with a focus on conducting outcomes-related research that can support clinical practices in the student's respective health care discipline.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**OTE 745 Therapeutic Skills I: Practice with Adults and Older Adults**

*Prerequisite: OTE 720.*

Provides an overview of scientific inquiry, assessment, intervention planning and implementation of occupation-based practice with adults and older adults aged 21 and older; special consideration is given to the context of the family, community, environment and culture. The effects of selected medical conditions most commonly seen in occupational and interprofessional practice within this age group are covered. Students gain practical experience through the lab portion of the course which includes observation, evaluation, and assessment of adults and older adults.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**OTE 746 Management and Policy in Occupational Therapy Practice**

*Prerequisite: OTE 615.*

This course introduces the student to the role of the occupational therapist as a manager and leader within the broader interprofessional health care system. Students are introduced to management functions, including fiscal management, marketing, and human resource functions. Discussion of regulatory systems, legal considerations, reimbursement mechanisms, current health care policy and emerging issues impacting health care practitioners is provided. Supervisory issues specific to the occupational therapist are explored. Students will identify and illustrate the role of occupational therapy in current policy issues regarding services to underserved communities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**OTE 750 Therapeutic Skills II: Practice with Children and Adolescents**

*Prerequisite: OTE 745.*

Provides an overview of scientific inquiry, assessment, intervention planning, and implementation of occupation-based practice with children and adolescents from birth to age 20; special consideration is given to the context of the family, community, environment and culture. The effects of selected medical conditions more commonly seen in occupational and interprofessional practice with this age group are covered. Students gain practical experience through the lab portion of the course which includes observation, evaluation, and assessment of children.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**OTE 760 Specialty Topics**

*Prerequisite: admission to Master of Occupational Therapy program.*

Variable topics course. In-depth study of contemporary occupation-based practice. Each offering concerns a single topic. Topics of interest will cover areas related to prosthetics and orthotics, low vision, hand/upper extremities, splinting, and current professional issues, interprofessional collaboration, community engagement, faculty expertise, and/or student interest or needs. Must be repeated for minimum of four hours.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**OTE 765 Community and Health Practice in Occupational Therapy**

*Prerequisite: admission to Master of Occupational Therapy program.*

Coursework will focus on the science, theory and practice of occupational therapy in the promotion of health and wellness and the body's response to stress, illness or injury across the life span. An emphasis will be placed on the cultural and physical context of the community in which occupational and interprofessional healthcare practice occurs. This course integrates knowledge and skills for occupation-based practice to foster healthy development, prevent health problems, maintain optimal function, and enhance the occupational performance skills of individuals, families, and communities.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**OTE 770 Professional Capstone: Issues, Diversity, and Ethics**

*Prerequisite: OTE 732.*

This course integrates elements and issues of professional socialization, the process of taking on the identity of an occupational therapist, and internalizing the norms of the profession. Students will incorporate professional ethics, context of services, and current professional and interprofessional issues, clinical reasoning, client-centered practice and evidence-based decision-making into the occupational therapy process. Clinical scenarios related to diverse populations and practice domains will be utilized to synthesize occupation-based interventions.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**OTE 780 Fieldwork Level II, Part 1**

*Prerequisite: completion of all didactic coursework; and permission of Master of Occupational Therapy Program Director.*

This course is the first half of the final practice experience in the curriculum to develop competent, entry-level, generalist occupational therapists. This supervised, 12-week fieldwork experience provides in-depth experience in delivering occupational therapy services to clients, focusing on the application of purposeful and meaningful occupation and/or research, administration and management of occupational therapy services. Students demonstrate an ability to evaluate, treat, document and discharge clients with a variety of conditions across the lifespan and in a variety of practice areas. Professionalism, clinical reasoning skills, reflective and ethical practice, and communication with clients, significant others and professional colleagues are enhanced. Graded Pass/Not Pass only.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**OTE 790 Fieldwork Level II, Part 2**

*Prerequisite: OTE 780; and permission of Master of Occupational Therapy Program Director.*

This course is the second half of the final practice experience in the curriculum to develop competent, entry-level, generalist occupational therapists. Supervised fieldwork experience provides in-depth experience in delivering occupational therapy services to clients, focusing on the application of purposeful and meaningful occupation and/or research, administration and management of occupational therapy services. Students demonstrate an ability to evaluate, treat, document and discharge clients with a variety of conditions across the lifespan and in a variety of practice areas. Professionalism, clinical reasoning skills, reflective and ethical practice, and communication with clients, significant others and professional colleagues are enhanced. This in-depth supervised fieldwork will be in a different practice setting than Fieldwork Level II, Part 1. Students must complete a total of 12 weeks of Fieldwork Level II, Part 2 coursework in either one 12-week experience or two 6-week experiences. Must be repeated for a total of six hours. Graded Pass/Not Pass only.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall
Projected offerings

**OTE 798 Research Project**

*Prerequisite: OTE 732; and permission of Master of Occupational Therapy Program Director.*

In-depth scientific study of an occupation-based clinical problem of interest that culminates in a scholarly paper and formal community presentation. Must be repeated three times for a total of three hours.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

# Department of Physical Therapy

## Programs

### Graduate

Doctor of Physical Therapy (DPT)

## Accreditation

American Physical Therapy Association-Commission on Accreditation in Physical Therapy Education – Doctor of Physical Therapy (DPT)

## Contact

**Department head**

Jeanne L. Cook, PT, PhD

**Office**

McQueary Family Health Sciences Hall, Room 204

**Phone**

417-836-6179

**Fax**

417-836-6229

**Email**

PhysicalTherapy@missouristate.edu

**Website**

www.missouristate.edu/physicaltherapy

# Physical Therapy Faculty

## Professor

Barbara Susan Robinson, PT, PhD

## Associate professors

Jeanne L. Cook, PT, PhD

James M. Hackney, PT, PhD

Sean C. Newton, PT, PhD

Scott W. Wallentine, PT, DPT

Elizabeth M. Williamson, PT, PhD

## Assistant professors

Patricia A. Cahoj, PT, MS, DPT, GCS

Marcia K. Himes, DPT

Jason L. Shaw, DPT

Missouri State

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# Physical Therapy Courses

## Physical Therapy (PTE) courses

**PTE 707 Medical Human Anatomy**

*Prerequisite: admission to the program or permission of the department head of Physical Therapy.*

This course offers an in-depth coverage of basic, applied, and clinical aspects of gross anatomy. Students observe, discuss, teach, learn, and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students in laboratory teaching sessions, and assignments that rely on critical thinking. Course will include on-site and blended components to facilitate integration of content and principles related to physical therapy. Must be admitted to the Doctor of Physical Therapy program. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 3
**Lab contact hours:** 9

**Typically offered:** Summer
Projected offerings

**PTE 710 Introduction to Physical Therapy**

*Prerequisite: admission to the program.*

This course provides an overview of physical therapy, including the history of physical therapy and the APTA, and the physical therapist's professional responsibilities. This information is combined with the acquisition of skills and knowledge necessary to be successful in managing patients. The topics that are discussed in Professional Issues I, e.g., Code of Ethics, the Guidelines for Physical Therapy Documentation, and the Guidelines for Professional Conduct, are "transformed" into practical skills that are necessary to professionally interact with patients. Hence this course combines these concepts with the skills necessary to provide patient care. These skills include the assessment of vital signs, basic measurement techniques, examination of the body, ensuring patient safety, infection control, using proper body mechanics, using appropriate transfers, gait training, and basic documentation, and patient and family education. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**PTE 711 Professional Issues I**

*Prerequisite: admission to the program.*

This course provides an overview of physical therapy and the physical therapist's professional responsibilities. Information regarding the Code of Ethics, the Guidelines for Physical Therapy Documentation, and the Guide for Professional Conduct are essential components of this course. This course focuses on the psychological and social aspects of communication in health care and providing care and services to patients. This includes patients' rights, the psychological impact of illness, social considerations such as gender, race, culture and ethnicity. These concepts are integrated using case studies of various patient-therapist situations. This course may be taught as a blended course.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**PTE 712 Clinical Biomechanics for Physical Therapy**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides the basis for understanding human movement. Content includes study of the mechanical properties of musculoskeletal tissues (bone, muscle, cartilage, ligament and tendon). It also includes foundations to understand the physics of human movement (forces and moments, joint lever types, understanding joint forces through two-dimensional vector problems and static equilibrium equations). It also includes the study of the movement, muscle function, and dynamics of upper and lower limbs. Students study interactions in structure and neuromuscular control of the limbs as they relate to understanding normal and abnormal human movement. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**PTE 713 Embryology**

*Prerequisite: admission to the program.*

In this course students will examine how prenatal development explains structures and functions of the human body. This course describes the major features of embryology, maturation of the fetus, changes that occur during pregnancy and childbirth. Included in this course will be discussions of birth defects and the potential cause of these defects. This course will cover the major systems of interest to physical therapy such as musculoskeletal system, cardiopulmonary system and neurological systems.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**PTE 714 Imaging Analysis in Physical Therapy Practice**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course emphasizes the analysis and interpretation of diagnostic images of patients with a variety of impairments or dysfunctions of the musculoskeletal, cardiopulmonary, nervous, and circulatory systems as they apply to contemporary physical therapy practice. Various imaging techniques will be incorporated into case studies which will be used to emphasize incorporation of image findings into the process of patient management. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**PTE 720 Neuroanatomy-Neuroscience**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course describes the gross anatomy and applied function of the central and peripheral nervous systems. Normal anatomy and function is compared and contrasted with abnormal anatomy and function due to disease or injury.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**PTE 721 Professional Issues II**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course focuses on employment settings, legal issues regarding Physical Therapist Assistants, the structure of the American Physical Therapy Association, regulations, policies, practice acts, federal legislation, and direct access to patients. Additionally, this course focuses on the legal aspects of professional life including basic elements of contract law, criminal law, educational law, employment law, insurance law, and business law. Students continue to develop an Individual Clinical Internship Plan with specific goals and objectives and select clinical sites for Clinical Internship I - II. Case studies and integrative experiences may be used to emphasize the process of patient management. This course may be taught as a blended course.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PTE 722 Physical Agent and Mechanical Modalities**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course describes thermal modalities (diathermy, therapeutic heat and cold, therapeutic ultrasound, low-power lasers, ultraviolet therapy) and mechanical modalities (spinal traction, intermittent compression devices, continuous passive movement devices, therapeutic soft tissue mobilization, and massage). In addition, the underlying scientific principles and clinical uses of physical agents and mechanical modalities are described. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**PTE 723 Patient Management: Musculoskeletal I**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included, stressing the integration of knowledge and skills. Treatment techniques include (but are not limited to) the use of soft tissue mobilization, myofascial release, therapeutic exercise, and basic joint mobilization. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**PTE 726 Clinical Kinesiology for Physical Therapy**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides the basis for understanding human movement and is a continuation of Clinical Biomechanics of Physical Therapy. Content includes study of movement, muscle function and dynamics of the axial body (craniomandibular complex, spinal column, neck, trunk, and pelvis). Content also includes basic principles of neuromuscular control, especially in the context of human functions which integrate multiple body segments, namely posture and gait, applied to normal and pathological conditions. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**PTE 730 Motor Control/Motor Learning**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

In this course students will examine the framework necessary to apply current theory and research on motor control and motor learning to the practice of physical therapy. This course extends the information covered in Neuroanatomy - Neuroscience by discussing the neurophysiological basis of motor control and motor learning. Through the use of case studies and integrative experiences, students will apply principles of motor control, motor learning, and motor development to treat postural and mobility dysfunctions. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management. This course may be taught as a blended course.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PTE 731 Pathophysiology/Differential Diagnosis I**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course covers pathological conditions and their implications for Physical Therapists. All major systems of the body are studied. The pathophysiological portion of the course integrates the knowledge acquired in physiology with abnormal physiology caused by pathology. Case studies are used to integrate concepts in patient management related to pathology and pathophysiology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PTE 732 Electrotherapeutic Modalities and Clinical Electrophysiology**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course describes electrotherapeutic modalities and clinical electrophysiologic testing. In addition, the underlying scientific principles and clinical uses and application of electrotherapeutic modalities and clinical electrophysiologic testing are incorporated. Major topics in this course include: electrical stimulation of muscle, electrical stimulation to control posture and movement (FES/NMES), electrical stimulation to control pain, electrical stimulation to promote tissue healing, iontophoresis, electroneuromyography, EMG, NCV, and biofeedback. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Summer
Projected offerings

**PTE 733 Patient Management: Musculoskeletal II**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course builds on the knowledge and skills acquired in Patient Management: Musculoskeletal I. This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included, stressing the integration of knowledge and skills. Treatment techniques include (but are not limited to) the use of soft tissue mobilization, myofascial release, therapeutic exercise, and basic joint mobilization. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**PTE 737 Clinical Internship I**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides an introduction to the clinical education component of the curriculum, as well as a four week, full-time clinical internship. Learning styles will be discussed, as well as how clinically-based learning may differ from classroom or laboratory experiences. Students will continue to develop their clinical internship plan and specific goals and objectives for this Clinical Internship. Students will complete a case study or present an "in-service" while on the four week internship write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**PTE 740 Research Methods and Design**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

In this course students will examine the various types of research, as well as the differences, similarities, and overlaps between them. Specific topics include types of research designs (experimental and non-experimental research), formulation of research questions/hypothesis, issues on ethics, informed consent, control group, measurement, variables, bias, data collection and analysis, and validity of conclusion. Students will begin developing their research projects and acquire skills requisite for using scientific evidence for effective patient care.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PTE 741 Pathophysiology/Differential Diagnosis II**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

In this course students will examine systems assessments necessary to screen patients for disorders and diseases that require referral to other healthcare providers. It prepares students for autonomous practice in a medical environment in which consumers will have direct access to physical therapy services. This course covers muscular, skeletal, neurological, cardiovascular, pulmonary, hematologic, gastrointestinal, renal, urological, hepatic, and endocrine diseases. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PTE 743 Patient Management: Neuromuscular I**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course emphasizes the management of patients (children and adults) who have neurological diagnoses. Specific pathologies to be discussed include balance and vestibular disorders, disorders of the spinal cord, genetic disorders, and neuromuscular disease. Case studies, laboratory experiences, and integrative experiences are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**PTE 744 Patient Management: Cardiovascular and Pulmonary Problems**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course presents an overview of cardiac, vascular, and pulmonary physical therapy. It integrates foundational information such as anatomy, physiology, exercise physiology, embryology, histology, pharmacology, pathology, and pathophysiology into a meaningful basis on which patient management strategies are based. This course introduces the student to cardiovascular and pulmonary assessments, interventions, and outcome analyses. The course includes information specific to pediatric, adolescent, adult, and geriatric patients.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**PTE 747 Clinical Internship II**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides for continuing development of clinical skills in the form of a six week, full-time clinical internship. Students will continue to develop their clinical internship plan and specific goals and objectives for Clinical Internship II. Students will complete a case study or present an "in-service" while on the six week internship write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall
Projected offerings

**PTE 750 Research and Outcome Analysis**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course focuses on the management of data generated by research and outcome analyses. It will fully integrate the use of statistical methods, understanding the results of applying these methods, and making inferences or conclusions based upon the data analysis. It also addresses the larger scope of disseminating this information, professional responsibility to the public to generate meaningful data, and methods of critically analyzing results and conclusions drawn by others. In the latter portion of the course, students identify their research interests, choose or are assigned a research advisor and write a research project proposal.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PTE 753 Patient Management: Neuromuscular II**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course is an extension of Patient Management: Neuromuscular I. This course emphasizes the management of patients (children and adults) who have neurological diagnoses including cerebral palsy and cerebrovascular accidents. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Summer
Projected offerings

**PTE 754 Patient Management: Special Considerations Across the Life Span**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

In this course students will review biological, psychological, and sociocultural theories of maturation and aging of human beings applicable to the practice of physical therapy. Through case studies, laboratory experiences, and integrative experiences, students will compare and contrast the maturation and aging process of individuals with and without disabilities; will understand how health, fitness, and physical activity contribute to quality of life; and will apply principles learned to the examination, evaluation, and treatment of individuals of all ages. Variable content course.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring, Summer
Projected offerings

**PTE 756 Patient Management: Integumentary**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course is correlated with information provided in Pathology-Pathophysiology, Neuroanatomy-Neuroscience I and II, and in Physical Agents, Mechanical Modalities, and Electrotherapeutic Modalities. Specific topics that are discussed include (but are not limited to) the prevention of skin disorders, management of burns and other open wounds, and the use of specific modalities to facilitate wound repair.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 3

**Typically offered:** Summer
Projected offerings

**PTE 757 Clinical Internship III**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides for clinical practice of developing skills in the form of a six week, full-time clinical internship. Students will continue to develop their clinical internship plan and specific goals and objectives for Clinical Internship III. Students will complete a case study or present an "in-service" while on the six week internship, write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**PTE 760 Management of Research Projects**

*Prerequisite: admission to the program.*

Application of the research process via supervised study of a selected problem culminating in completion of an extensive scholarly product. Variable content course. Course must be repeated for a total of 6-12 hours. Graded Pass/Not Pass only.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PTE 761 Contemporary Issues in Professional Practice**

*Prerequisite: admission to the program.*

This course focuses on some of the more specialized areas of physical therapy. This includes diseases, conditions, or practice areas such as women's health, osteoporosis, pelvic floor dysfunction, pregnancy, sports medicine, chronic pain, management of persons with AIDS and HIV infection, lymphedema, selected problems in human behavior, ergonomics, and industrial health and physical therapy. Alternative and holistic therapies are discussed, as well as their relationship and integration with patient rehabilitation. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**PTE 762 Medical Pharmacology**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course focuses on medical pharmacology, particularly those aspects that significantly impact the practice of Physical Therapy. Specific topics include drugs that affect the autonomic nervous system, the cardiovascular system, the central nervous system, and the endocrine system. In addition, anti-inflammatory, antiviral, antibacterial, and chemotherapeutic drugs are discussed. Case studies augment clinical information and emphasize patient management.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**PTE 763 Patient Management: Neuromuscular III**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course is an extension of Patient Management: Neuromuscular 1 and II. This course emphasizes the management of patients (children and adults) who have neurological diagnoses including cognitive disorders, encephalopathies, multiple sclerosis, Parkinson disease, and brain injuries. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**PTE 764 Patient Management: Exercise Physiology, Nutrition, and Wellness**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course describes the effects of physical activity on human performance across the life span. The effects of exercise (or lack thereof) are considered for each system in the body. Strategies for improving physical performance in a variety of settings are considered, as well as fundamental principles of good health in relation to exercise.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**PTE 765 The Physical Therapist as Educator**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course focuses on educational theories and methodology relevant to the physical therapist in a variety of physical therapy settings. These topics are discussed in the context of promoting optimal health, preventing injury and illness, and promoting wellness. Upon completion of this course, the student will be able to utilize educational concepts and theories in the design, implementation, and evaluation of learning experiences used in the education of the community, industry, patients, families, students, colleagues, and self.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**PTE 767 Health Care Systems and the Physical Therapist**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course is an introduction to the various health care delivery systems in the United States, and provides a synopsis of the health care systems found in countries other than the United States. This course allows students to explore the provision of physical therapy services within the constraints of the existing health care systems, and to identify community needs, and resources.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**PTE 773 Patient Management: Musculoskeletal III**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course builds on the knowledge and skills acquired in Patient Management: Musculoskeletal 1 and II. This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. Sophisticated examination and manual mobilization techniques are covered in detail.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Summer
Projected offerings

**PTE 785 Histology and Tissue Biology**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein, and permission of instructor.*

Course emphasizes the structure and basic function of all the major tissues and cell types in the human body. Includes normal cell and tissue morphology and the adaptations that occur as a result of various stimuli both normal and abnormal. This is a variable content course. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PTE 800 Advanced Topics in Geriatrics**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

In this course students gain insight into physical therapy related to the elderly population, their special needs and physiological changes, living environments, resources, etc. For an additional credit hour of this course, students are encouraged to develop further knowledge, skills, etc., with the elderly population. Based upon student interest and instructor approval, students may pursue additional in-depth study in areas such as (but not limited to): education, skill development, service-learning, investigation, psychomotor skills, psychosocial issues, healthcare system, reimbursement, etc., related to geriatrics.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PTE 801 Vestibular Rehabilitation**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course describes the anatomy and physiology of the vestibular system and an overview of various pathologies associated with patient complaints of vertigo, dizziness, and balance disorders. Principles of examination, evaluation, assessment, and rehabilitation of the patient with impairment of the vestibular system and/or impaired balance are described and performed.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PTE 802 Advanced Regional Anatomy**

*Prerequisite: Enrollment in the program and permission of instructor.*

This is a variable content course offering in-depth coverage of basic, applied, and clinical aspects of gross anatomy of one or more of the following regions: head and neck, upper extremity, trunk, and lower extremity. Students observe, discuss, teach, learn and dissect selected body systems in detail. This course may incorporate traditional didactic lectures, problem based discussions, laboratory dissection with assignments that rely on critical thinking. Students relate anatomical structure to functional relations and correlate structure with clinical assessments and treatments. Students make oral presentations and use the library and other sources of information (such as the Internet) to learn. Course may be repeated up to a maximum of 9 hours.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PTE 803 Advanced Topics in Musculoskeletal Physical Therapy**

*Prerequisite: Enrollment in the program and permission of instructor.*

This is a variable content course emphasizing the management of patients with musculoskeletal dysfunction focusing on research, differential diagnosis and advanced manual examination and treatment techniques. Case studies are used to emphasize the evidence-based process of patient management, i.e., examination, assessment, diagnosis, prognosis treatment, analysis of functional outcomes, and re-assessment. Students will focus on management of musculoskeletal dysfunction relation to one or more of the following regions: the upper extremity, the pelvis and lower extremity, or the spine and sacroiliac joint. Course may be repeated up to a maximum of 9 hours.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PTE 804 Advanced Topics in Pediatrics**

*Prerequisite: enrollment in the program and permission of instructor.*

This is a variable content course designed to allow students to develop their cognitive, psychomotor or affective skills at an advanced level in the area of physical therapy for children. The course may involve readings, projects, and direct clinical experiences individually contracted between the instructor and the student. Course may be repeated up to a maximum of 9 hours.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PTE 871 Physical Therapy Management and Administration**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course will provide students with opportunities to develop managerial and supervisory skills in healthcare settings where physical therapy is provided. Students will apply business and leadership principles through development of a physical therapy business. Understanding of business principles is demonstrated including facility planning, determining and utilizing appropriate business structure, financial management, leadership and communication skills, risk management, legal considerations, and use of consultants. Additionally, students are provided with opportunities to learn and apply management skills through involvement with community partners functioning in leadership positions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PTE 872 Orthotics, Prosthetics, and Assistive Technologies**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course covers limb amputations, orthotic and prosthetic devices, and splints. The use of orthoses, prostheses, and splints is fully integrated into principles of patient management. Advanced wheelchair prescriptions are discussed, as well as advanced technologies (computer technologies, etc.) that are useful in rehabilitation including occupational and industrial therapies and devices.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PTE 873 Patient Management: Advanced Differential Diagnosis**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course focuses on managing patients using a "life-long" conceptual basis. It stresses the importance of being proactive in resolving complex issues, particularly those that impact patients for a lifetime. Critical thinking is an integral part of this course. Cost effectiveness, efficiency, long-term planning, and using the best adaptive equipment for the long-term are emphasized. The elements of patient/client management as described in The Guide to Physical Therapist Practice are used to guide the clinical decision making process. Integral to this course will be the use of case-based learning modules.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PTE 877 Clinical Internship IV**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides continued clinical practice of skills in the form of an eight-week, full-time clinical internship. Students will continue to develop their global clinical internship plan, while writing specific goals and objectives for Clinical Internship IV. Students will complete a case study or present an "in-service" while on the eight-week internship, write a short, reflective paper, and meet the requirements established by the Program and the clinical facility. Graded Pass/Not Pass only.

**Credit hours:** 8
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall
Projected offerings

**PTE 880 Research Seminar**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course is an extension of Management of Research Projects. Students will present their scholarly work to faculty and fellow students as a platform or poster presentation. Variable content course. Graded Pass/Not Pass.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**PTE 883 Patient Management: Critical Integration and Analysis II**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course stresses the importance of being proactive in resolving complex issues, particularly those that impact patients for a lifetime. Cost effectiveness, efficiency, long-term planning, and using the best adaptive equipment for the long-term are emphasized. The elements of patient management as described in The Guide to Physical Therapist Practice are used to guide the clinical decision making process. Critical thinking is an integral part of this course. The course will culminate with the preparation of complex case studies of patients treated by each student while on Clinical Internship IV and V and the presentation of these case studies to student peers and faculty in a teaching seminar. Variable content course.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**PTE 887 Clinical Internship V**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides clinical practice in the form of an eight-week, full-time clinical internship. Students will continue to develop their global clinical internship plan, while writing specific goals and objectives for Clinical Internship V. Students will complete a case study or present an "in-service" while on the eight-week internship, write a short reflective paper, and meet the requirements established by the program and the clinical facility.

**Credit hours:** 8
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**PTE 888 Clinical Internship VI**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

This course provides clinical practice in the form of a six-week, full-time clinical internship. Students must meet the requirements established by the Program and the clinical faculty. After completion of Clinical Internship VI and upon their return to campus, students will enter a period of in-depth self-analysis and reflection concerning Clinical Internship VI and the entire clinical education experience.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

# Department of Physician Assistant Studies

## Programs

### Graduate

Physician Assistant Studies (MS)

## Accreditation

Accreditation Review Commission on Education for the Physician Assistant – Physician Assistant Studies (MS)

## Contact

**Department head**

Steven T. Dodge, MD

**Office**

Professional Building, Room 200

**Phone**

417-836-6151

**Fax**

417-836-6406

**Email**

PhysicianAsstStudies@missouristate.edu

**Website**

www.missouristate.edu/pas

# Physician Assistant Studies Faculty

## Professor

Robert Canales, DhSc, PA-C

## Associate professor

Tracy L. Cleveland, MS, PA-C

## Assistant professors

Kimberly D. Cook, MS

Shannon M. Hauschildt, MS

## Clinical associate professor

Steven T. Dodge, MD

## Clinical assistant professor

Sharon Giboney, MSN, RNC, WHNP-BC, RNC-OB

## Emeritus faculty

Nancy M. Dion, MS, PA-C

Missouri State

Office of the Registrar

Undergraduate Catalog



# Physician Assistant Studies Courses

## Physician Assistant Studies (PAS) courses

**PAS 717 Medical Human Anatomy and Radiology**

*Prerequisite: admission to the MS in Physician Assistant Studies or permission.*

Regional study of the human body. Course will include lecture and laboratory activities including cadaver dissection, study of anatomic models, computer images, X-ray, CAT scan, and MRI and ultrasound imaging. Identical with BMS 717. Cannot receive credit for both PAS 717 and BMS 717. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 3
**Lab contact hours:** 11

**Typically offered:** Spring
Projected offerings

**PAS 753 Molecular Pathophysiology**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

Introduction to the genetic, immunologic, and microbiologic mechanisms of health and disease.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PAS 765 Clinical Assessment I**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

The first of a 2-semester course sequence. Introduction to effective communication and interviewing skills, techniques of physical examination utilizing a systematic anatomical approach and the recording and presentation of clinical information. Format will include lecture, hands-on laboratory exercises, small group presentations, limited patient contact and written and practical examinations.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**PAS 766 Clinical Assessment II**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

A continuation of Clinical Assessment I. Emphasis will be on continued development of interviewing and physical examination skills, recognizing and interpreting abnormal physical findings, developing problem lists and differential diagnoses, and refining the recording and presenting of patient evaluation data. In addition, students will learn advanced assessment techniques and perform written and practical skills examinations that incorporate the objective structured clinical exam (OSCE).

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**PAS 769 Behavioral Medicine**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

A biopsychosocial systems approach to the individual, family and community within the health care delivery system that includes issues germane to public health and rural medicine. A variety of topics such as growth and development, human sexuality, health promotion and disease prevention, health education, patient compliance, cultural diversity, substance abuse, family violence, child abuse and rural health issues are examined.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PAS 770 Professional Issues Seminar**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

Seminar format for discussion of professional and legal issues relevant to the physician assistant profession. Includes topics such as the history of the profession, health care systems, professional organizations, national certification, Missouri licensure, prescriptive privileges, and clinical ethics.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**PAS 775 Principles of Clinical Problem Solving**

*Prerequisite: admission to the MS in Physician Assistant Studies or permission.*

Introduction to critical thinking skills and problem solving techniques. Incorporates problem based learning format where small groups of students under the supervision of a group leader explore the various facets of "real-life" clinical case scenarios.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PAS 776 Clinical Problem Solving Seminar**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

Advanced exercises in clinical problem solving in a small group format. Commonly presenting clinical problems are utilized as a means to refine students' ability to choose appropriate steps to determine a definitive diagnosis/outcome.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PAS 777 Introduction to Research and Clinical Epidemiology**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

Foundations of quantitative and qualitative research methodology related to the study of disease in populations. Includes issues related to study design, data collection, and methods of statistical analysis with a focus on application of these principles in the clinical setting. Will serve as the foundation for development of the clinical year research project.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PAS 780 Pharmacotherapeutics I**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

The first in a two-course sequence to introduce the principles of pharmacology and pharmacotherapeutics for the diagnosis, prevention and treatment of disease. Emphasis will be placed on the pharmacological, pharmacokinetic and pharmacodynamic properties of drugs and drug classes used in medical practice.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**PAS 781 Advanced Pharmacotherapeutics**

*Prerequisite: completion of PAS 780, or RN, or permission.*

In-depth analysis of pharmacotherapeutics and the application of drugs for the diagnosis, treatment and prevention of disease. Emphasis will be placed on the rational use of drugs in the care and treatment of pediatric, adult and geriatric patients in primary care settings. Will include discussion of treatment guidelines, indications, contraindications, prescription writing, drug law, drug information resources and case studies. Identical with NUR 761. Cannot receive credit for both PAS 781 and NUR 761.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PAS 783 Clinical Practicum I**

*Prerequisite: admission to the MS in Physician Assistant Studies and successful completion of didactic course work.*

A two week clinical experience with a minimum of 64 hours patient care under the supervision of a physician preceptor. Emphasis will be on refining interviewing, physical examination, recording and written/oral presentation skills. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**PAS 784 Clinical Practicum II**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

Preparative course for the clinical year which promotes professional communication skills and an understanding of pertinent clinical practice topics and issues including interprofessional disciplines, medical practice organization, health literacy, chronic care, hospice care, and financial aspects of medical practice including billing and coding.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**PAS 785 Clinical Medicine I**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

The first in a two-semester course sequence. Introduction to clinical medicine through an organs systems approach that examines the pertinent anatomy, pathophysiology, diagnosis, treatment, follow-up, patient education, and prevention strategies for the various disease entities. Emphasis will be on problems frequently encountered in primary care settings. Includes lecture and discussion.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**PAS 786 Clinical Medicine II**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

A continuation of Clinical Medicine I that emphasizes the organs systems approach to examine the pertinent anatomy, pathophysiology, diagnosis, treatment, follow-up, patient education, and prevention strategies for the various disease entities. Emphasis will be on problems frequently encountered in primary care settings. Includes lecture and discussion. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:** 6
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PAS 787 Laboratory Medicine and Clinical Procedures**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

"Hands-on" laboratory format class that introduces the student to skills needed to perform diagnostic and therapeutic procedures such as performing/interpreting basic laboratory tests, phlebotomy, casting and splinting, knot tying, suturing, intravenous line insertion, aseptic technique, catheterization, and other clinical skills. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**PAS 788 EKG and ACLS**

*Prerequisite: admission to the MS in Physician Assistant Studies.*

A study of the principles and practical applications of electro-cardiography for the physician assistant, followed by an Advanced Cardiac Life Support course. Lecture, lab, interactive CD, and "mock code" skills training.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**PAS 790 Clinical Preceptorship**

*Prerequisite: admission to the MS in Physician Assistant Studies and promotion from the didactic year.*

Consists of a six-week structured clinical experience under the supervision of a qualified preceptor that will introduce the student to the evaluation, diagnosis, treatment, monitoring, patient education, and referral of patients for the various clinical presentations within a specific discipline. The emphasis will be on problems encountered in primary care settings. Specific cognitive, skill, and attitudinal objectives are defined for each core clinical area, including family practice/primary care, general surgery, psychiatry/behavioral medicine, internal medicine, emergency medicine, women's health, and pediatrics. May be repeated.

**Credit hours:** 4-5
**Lecture contact hours:** 0
**Lab contact hours:** 40

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PAS 797 Clinical Practice Issues Seminar**

*Prerequisite: clinical year standing in the MS in Physician Assistant Studies.*

Provides a forum for topics germane to the clinical practice setting and transition to professional practice. Topics of interest will cover areas such as managed health care, ethical decision-making, pharmacological management, resume preparation, job negotiation skills, the national certification examination, etc. May be repeated for a maximum of 3 hours. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PAS 798 Research Project**

*Prerequisite: clinical year standing in the MS in Physician Assistant Studies.*

In-depth study of a clinical problem of interest that culminates in a scholarly paper and formal presentation. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall
Projected offerings

# Department of Psychology

## Programs

### Undergraduate

Gerontology (BS, Minor)

Psychology (BA, BS, Minor)

Forensic Child Psychology (Certificate)

### Graduate

Psychology (MS)

Applied Behavior Analysis (MS)

Forensic Child Psychology (Certificate)

Statistics and Research Design (Certificate)

## Accreditation

Council of Applied Masters Programs in Psychology – Psychology option in Industrial/Organizational (MS)

## Contact

**Department head**

William P. Deal, PhD

**Office**

Hill Hall, Room 109

**Phone**

417-836-4790

**Fax**

417-836-8330

**Email**

Psychology@missouristate.edu

**Website**

psychology.missouristate.edu

# Psychology Faculty

## Professors

Timothy K. Daugherty, PhD

Donald L. Fischer, PhD

Danae L. Hudson, PhD

Robert G. Jones, PhD

Thomas D. Kane, PhD

David J. Lutz, PhD

Ann D. Rost, PhD

Carol F. Shoptaugh, PhD

Michelle E. Visio, PhD

Brooke L. Whisenhunt, PhD

## Associate professors

Erin M. Buchanan, PhD

William Paul Deal, PhD

Melissa D. Fallone, PhD

Adena D. Jones, PhD

D. Wayne Mitchell, PhD

Mary C. Newman, PhD

John S. Rosenkoetter, PhD

Carly A. Yadon, PhD

## Assistant professors

Amber Abernathy, PhD

Steven C. Capps, PhD

Christie L. Cathey, PhD

Michael Clayton, PhD

Leslie Echols, PhD

Lisa C. Hall, PhD

Bogdan N. Kostic, PhD

Ruth V. Walker, MA

David M. Zimmerman, PhD

## Senior instructor

Tanya L. Whipple, PsyD

## Instructors

Hannah J. Harris, PhD

Charles Hoogland, MA

## Emeritus faculty

Timothy A. Bender, PhD

Chris T. Bersted, PhD

Sylvia T. Buse, PhD

Russell N. Carney, PhD

Paul J. Companik, PhD

James O. Davis, PhD

David Dixon, PhD

Bradley J. Fisher, PhD

Carol A. Gosselink, PhD

Jerry L. Gray, PhD

Harry L. Hom, Jr., PhD

Susan L. Hom, MS

F. LaMorris Hyde, PhD

Donn L. Kaiser, PhD

Elissa M. Lewis, PhD

Jeff Maloney, PhD

Frederick R. Maxwell, Jr., PhD

Arden T. Miller, PhD

Michael T. Nietzel, PhD

Jeanne A. Phelps, PhD

David W. Stockburger, PhD

Barbara S. Turpin, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Psychology Courses

## Gerontology (GER) courses

**GER 300 Service Learning Curricular Component**

*Prerequisite: 30 hours and concurrent registration in a gerontology course designated as service learning offering.*

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public service provider. The community service placement agency and service assignment will vary, dependent on the course topic and learning objectives. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GER 301 The Elderly and the Media: Confronting Popular Stereotypes**

*Prerequisite: 30 hours.*

Students will be introduced to common stereotypes held about the elderly within our society and statistics and information which prove these stereotypes to be false. Public perceptions of the elderly will be studied through the use of five commercial motion pictures and a review of four articles covering topics related to the theme of each of the films. The class will focus on how stereotypes about the elderly are both reinforced and challenged in commercial motion pictures, how stereotypes affect an older person's self-concept, and how popular ageist stereotypes shape our own views on growing older.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GER 310 Social Forces and Aging**

*Prerequisite: 45 hours.*

Examines the aging process, demographic trends, and the social, economic, and social-psychological aspects of aging in the United States. Students will be introduced to current theories on aging in social gerontology and their application to the everyday lives of older people. Topics of interest include social attitudes toward aging, family and social bonds, work and retirement, gender issues, ethnicity and aging, living environments, and approaches to aging well. Students will learn about the role of federal, state and local agencies in meeting the needs of the elderly. Identical with SOC 375. Cannot receive credit for both GER 310 and SOC 375.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GER 320 Gender Issues in Later Life**

*Prerequisite: PSY 121; and GST 170 or 45 hours.*

A comparison of the aging experiences of men and women in later life. The relevance of gender and gender roles to the aging process will be considered. Specific topics of analysis will include the gender gap in longevity, psychological and physical health, minority status, socioeconomic status, family relationships, and public policy issues. Identical with PSY 354. Cannot receive credit for both GER 320 and PSY 354.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GER 365 Families in Later Life**

*Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.*

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with CFD 365, SWK 365, and PSY 366. Can only receive credit for one of following: CFD 365, GER 365, PSY 366 or SWK 365.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GER 380 Senior Citizens: Policies and Politics**

*Prerequisite: 9 hours of gerontology.*

Students will be introduced to the development and practice of social policy, on the state and federal level, and how it affects services to the older adult population. Political organizations that influence the lives of the elderly (e.g., the American Association of Retired Persons, Gray Panthers, Older Women's League) will be examined as well as government and social welfare programs (i.e., Social Security, Medicaid and Medicare). What constitutes "citizenship" and the role of a "senior citizen" will also be explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GER 396 Directed Readings in Gerontology**

*Prerequisite: 6 hours of gerontology and permission.*

Readings designed to supplement material introduced in previous Gerontology courses. Includes a wide selection of literature in the field. May be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GER 397 Special Topics in Gerontology**

*Prerequisite: 6 hours of designated courses in the gerontology major.*

In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. May be repeated to a total of 6 hours when topic changes. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GER 470 Community Resources for Older Adults**

*Prerequisite: PSY 121.*

Covers the services, programs and institutions involved in providing services to older adults in the United States, with a focus on community-based services. Typical needs, issues, concerns and desires of older persons are identified and corresponding community-based services to address these needs are discussed. Emerging issues and developments in the field of gerontology will also be discussed as they relate to community services and resources. Site visits to agencies and organizations serving older adults will enhance students' familiarity with resources to improve the quality of life and well-being of aging members in our society. Identical with SWK 470. Cannot receive credit for both GER 470 and SWK 470.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GER 597 Special Topics in Gerontology**

*Prerequisite: 90 hours; and 12 hours of gerontology.*

In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. May be repeated to a total of 6 hours when topic changes. Variable content course. May be taught concurrently with GER 697. Cannot receive credit for both GER 697 and GER 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GER 598 Supervised Practicum in Gerontology**

*Prerequisite: concurrent enrollment in GER 599; completion of gerontology core courses with a grade of "C" or better in each; and permission of the program coordinator.*

Onsite contacts with elderly individuals through an internship at a residential or community placement approved by the coordinator. Direct supervision will be provided by qualified professionals in the field of gerontology. Students will serve 45 clock hours for each credit hour awarded. May be repeated to a total of 12 hours. Public Affairs Capstone Experience course.

**Credit hours:** 3-12
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GER 599 Seminar in Gerontology**

*Prerequisite: concurrent enrollment in GER 598; completion of the gerontology core courses with a grade of "C" or better in each; and permission of the program coordinator.*

Weekly meetings to allow students to correlate experiences in GER 598 with academic knowledge, share experiences, and broaden contacts in the field of aging. Survey of current literature in gerontology from various disciplines will be included. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GER 697 Special Topics in Gerontology**

Recommended Prerequisite: 12 hours of Gerontology. In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. Variable content course. May be repeated to a total of 6 hours when topic changes. May be taught concurrently with GER 597. Cannot receive credit for both GER 597 and GER 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Psychology (PSY) courses

**PSY 101 Psychology for Personal Growth**

A study of the emotional, intellectual, and interpersonal experiences of self and others in order to enhance self-understanding, to make informed choices, and to promote adjustment. Will not count toward the major or minor in psychology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 121 Introductory Psychology**

*General Education Course (Focus on Social and Behavioral Sciences).*

An examination of how psychology enhances our understanding of human behavior; a survey of basic biological, experiential, cognitive, emotional, and sociocultural influences on behavior and self-understanding. Students must choose either to be research participants or fulfill an alternative library assignment as part of the course requirements. Honors sections are taught in a lecture/lab format.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 150 Introduction to the Psychology Major**

This course is required for admission to the psychology degree program and is recommended for students considering psychology as a major. Students will learn about specialties and careers in the field, understand the training and education necessary for various careers, develop professional goals, explore minor options, and become familiar with the psychology faculty and their specialties. Not required for the Psychology minor.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PSY 160 The Pursuit of Happiness: A Psychological Perspective**

Explore the sources of our moods with an emphasis on skills for achieving healthy, happy, and productive feelings.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 197 Topics in Psychology**

Selected topics especially appropriate for lower division students (examples: meaning of death, preparation for marriage, and child rearing practices). May be repeated for a maximum of 4 hours.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 200 Psychological Statistical Methods**

*Prerequisite: PSY 121; and completion of General Education mathematics requirement.*

Principles and methods of statistics used in psychology; understanding and interpreting psychological data. This course cannot be credited toward a degree if the student has taken any of the following: AGR 330, MTH 340, QBA 237, REC 328, SOC 302.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 203 Introduction to Research**

*Prerequisite: PSY 121; and completion of General Education mathematics requirement.*

This course will provide an integrated approach to elementary research design and statistical methods. Students will review current research and develop small projects for which statistical methods will be selected and applied. This course cannot be substituted for PSY 200 and/or PSY 201 on the psychology major and will not count toward the Psychology major. This course is designed for psychology minors and will not prepare students for graduate work in Psychology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 240 Psychology of Humor**

*Prerequisite: PSY 121.*

Introduction to psychology of humor, includes theories of humor and explorations of humor through different areas of psychology, for example cognitive, social, developmental, personality, and health psychology. Focus will be on thinking critically about humor research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 250 Analysis of Interpersonal Behavior**

*Prerequisite: PSY 121 and permission of instructor.*

Ongoing processes of interpersonal behavior. Observation and experience as participant of a self-analytic group in the human relations laboratory.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**PSY 300 Naturalistic Methods in Social Psychology**

*Prerequisite: PSY 121, and 6 additional hours of Psychology.*

An alternative approach to social psychological processes. Involves text analysis, materials analysis, interviewing, and participant observation in naturally occurring, non-laboratory field settings. Focus will be on small group behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 302 Experimental Psychology**

*Prerequisite: PSY 121 and PSY 200.*

Psychological methodology; major emphasis on experimentation.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**PSY 303 Stress and Tension Control**

*Prerequisite: PSY 121.*

An examination of the nature and treatment of the stress response. Laboratory experience with several forms of relaxation training including biofeedback.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**PSY 304 Abnormal Psychology**

*Prerequisite: PSY 121.*

Psychopathology and the maladjustment of the organism.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 305 Introduction to Industrial and Organizational Psychology**

*Prerequisite: PSY 121.*

A survey of the major topics that are studied and the methods that are used in I/O psychology. The topics and methods will be viewed from a psychological perspective and will include psychological testing and personnel selection; training and development; job analysis, employee evaluation and performance appraisal; human motivation and job satisfaction; leadership, communication and group processes; organization theory and development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 306 Learning Processes**

*Prerequisite: PSY 121.*

A survey of the methods of classical and instrumental conditioning.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 307 Human Sexuality**

*Prerequisite: PSY 121.*

A balanced and comprehensive perspective of the field of human sexuality. Content includes the psychological, physiological, and interpersonal variables of human sexuality.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 309 Identity and Aging in Literature and Film**

*Prerequisite: PSY 121 and 3 additional hours of Psychology.*

Emphasizes the experience of aging as perceived from the older person's point of view and that of society. Situations in later life will be explore through the use of short stories, selected articles, and videos. The topics covered will include health, friendship and relationships, widowhood, family and intergenerational relations, perceptions of death and dying, and finding purpose and meaning in life. Students will acquire a basic understanding of identity issued and factors that contribute to well-being in later life.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 310 Applied Psychology**

*Prerequisite: PSY 121.*

Practical areas of application of psychology. Limited enrollment; field trips required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 311 Service Learning in Psychology**

*Prerequisite: 30 hours, concurrent registration in a Psychology course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in psychology to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of, and participation, in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 315 History and Systems of Psychology**

*Prerequisite: PSY 121 and 6 additional hours of psychology.*

Present psychological systems in the light of their historical development from ancient Greek and medieval thought.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 317 Psychology of Addictions**

*Prerequisite: PSY 121.*

Students in the course will learn basic psychological and psychophysiological processes involved in the progression of substance use, abuse, and addiction. Topics covered will include the conduct of individual assessment, interviewing techniques, and counseling processes. This class is intended to give students an understanding of individual, motivational, and social psychological perspectives.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 320 Psychology and the Law**

*Prerequisite: PSY 121.*

This course is a survey of psychology applied to the legal system. The course includes topics in mental health law, such as competency and insanity, as well as the psychology of law enforcement, crime, juries, eyewitness testimony, and legal socialization.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 331 Psychology of Childhood**

*Prerequisite: PSY 121.*

This course examines major psychological issues, theories and research concerning child development. Influences on cognitive, personality and social development are analyzed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 336 Ethology**

*Prerequisite: PSY 121.*

The study of the behavior of animals in a natural setting will be emphasized. The viewpoints of ethology, comparative psychology, behavioral ecology, and sociobiology will be used to study the behavior of animals, including humans. This course cannot be credited toward a degree if the student has taken PSY 497: Animal Behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 339 Introduction to Clinical Psychology**

*Prerequisite: PSY 121 and PSY 304.*

A survey of the field of clinical psychology from a broad conceptual and historic perspective. The course examines professional issues such as various mental health delivery systems, ethics, and graduate training. The course also presents an overview of different approaches to psychotherapy along with assessment methods commonly used in evaluation of therapy, research, and decision making in a clinical setting.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 350 Psychology of Adulthood**

*Prerequisite: PSY 121.*

Principles and practical applications in development of the adult. Includes psychological effects of personality and intellect. Both normal and abnormal phenomena are considered.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 354 Gender Issues in Later Life**

*Prerequisite: PSY 121; and GST 170 or 45 hours.*

A comparison of the aging experiences of men and women in later life. The relevance of gender and gender roles to the aging process will be considered. Specific topics of analysis will include the gender gap in longevity, psychological and physical health, minority status, socioeconomic status, family relationships, and public policy issues. Identical with GER 320. Cannot receive credit for both GER 320 and PSY 354.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 357 Psychology of Gender**

*Prerequisite: PSY 121.*

This course will provide an in-depth examination and survey of the research and theory on psychological gender differences and similarities. An exploration will be made of the influence of biology, social, and culture on the development of gender in a variety of areas (e.g., emotions, attitudes, relationships, aggression, mental health, physical health, stress, coping, intelligence, work and achievement).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 359 Theories of Social Psychology**

*Prerequisite: PSY 121 or SOC 150.*

A survey of research strategies in social psychology; social perception; interpersonal attraction; attitudes and persuasion; sex differences in social behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 360 Educational Psychology**

*Prerequisite: PSY 121.*

Introduction to theory and research in educational psychology. Topics include cognitive and social development, learning, memory, cognition, intelligence, motivation, measurement, and individual differences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 363 Death and Human Behavior**

*Prerequisite: PSY 121.*

An introduction to the varied aspects of death and dying. The course will focus on attitudes toward death, fears of death and dying, special needs of those who have a life threatening illness, means of helping the survivors and techniques for prolonging life.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 365 Aging and Adjustment**

*Prerequisite: PSY 121.*

Personality adjustment in old age, with emphasis both on adequate and maladjusted development. Factors influencing adjustment are considered. Both functional and organic sources of maladjustment are surveyed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 366 Families in Later Life**

*Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.*

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with CFD 365, GER 365, and SWK 365. Can only receive credit for one of following: CFD 365, GER 365, PSY 366, or SWK 365.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 379 Environmental Psychology**

*Prerequisite: PSY 121.*

An introduction to the psychological predictors, processes, and outcomes associated with individual and group decision making about sustainable living, including individual differences, motivation, social influence, self-regulation, altruism, persuasion, ethics, and emotive responses. These variables will then be applied to issues of individual and social behavior change.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 380 Development of the Student**

*Prerequisite: PSY 121; and either ELE 302 or SEC 302.*

Life-span development, with a strong emphasis on grades K-12. Includes cognitive, physical, social, and emotional development. Coverage of developmental issues, such as divorce, child abuse, substance abuse, sexuality, and peer pressure. Also includes learning and motivation theory. Required for students seeking special education, K-9, or K-12 certification. Also will count toward any certification. May substitute for PSY 385 or PSY 390. Will not count towards the major or minor in psychology. Credit will be awarded for only one of the following: PSY 380, PSY 385, PSY 390.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 385 Development of the Early Childhood and Elementary School Student**

*Prerequisite: PSY 121.*

Life-span development, with a strong emphasis on preschool through sixth grade. Coverage of developmental issues, such as divorce, child abuse, substance abuse, and peer pressure. Also includes learning and motivation theory. Required for students seeking early childhood, early childhood-special education, or elementary education certification. PSY 380 may be taken instead of PSY 385. Will not count towards special education, K-9, K-12, middle school or secondary education certification. Will not count towards the major or minor in psychology. Credit will be awarded for only one of the following: PSY 380, PSY 385, PSY 390.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 390 Development of the Adolescent Student**

*Prerequisite: PSY 121 and SEC 302.*

Life-span development, with a strong emphasis on the middle school and secondary education years. Includes cognitive, physical, social, and emotional development. Coverage of developmental issues, such as substances abuse, sexuality, divorce, and peer pressure. Also includes learning and motivation theory. Required for students seeking middle school or secondary education certification. PSY 380 may be taken instead of PSY 390. Will not count towards special education, K-9, K-12, early childhood, early childhood-special education or elementary education certification. Will not count towards the major or minor in psychology. Credit will be awarded for only one of the following: PSY 380, PSY 385, PSY 390.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 405 Exercise Psychology**

*Prerequisite: PSY 121.*

An examination of the research, theory, and practical applications of the field of exercise psychology. Content includes exercise adherence, psychological effects of exercise, and motivation to continue programs. Intersession course only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 411 Psychology of Diverse Populations**

*Prerequisite: senior standing; and 27 hours of Psychology.*

Capstone course reviewing research and theory in social cognition, biological bases of behavior, development, individual differences, and psychopathology as they apply to ethnicity, sexual orientation, gender, language, exceptionality, aging, privilege/disadvantage, and other aspects of diversity. Similarities and differences in human thoughts and behaviors will be evaluated to better understand individual and group outcomes. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PSY 422 Memory and Cognition**

*Prerequisite: PSY 121 and 6 additional hours of psychology.*

Theoretical, empirical, and practical consideration of human memory and cognition. Laboratory will focus on investigation and demonstration of various cognitive phenomena.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PSY 424 Teaching of Psychology**

*Prerequisite: permission of instructor.*

This course is open only to psychology majors who have completed the application and selection process for an undergraduate learning assistant in Introductory Psychology and who are available to attend training sessions prior to the beginning of semester. Students will be assisting in the teaching of Introductory Psychology by serving as undergraduate learning assistants. Experiences will include facilitating group study sessions, individually mentoring students, and gaining exposure to the skills necessary for successful teaching. Emphasis will be on learning and practicing mentoring skills, the implementation of innovative pedagogical techniques, and course development. May be repeated for a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 441 Psychology of Adolescence**

*Prerequisite: PSY 121 and one additional psychology course, and junior standing.*

This course examines major psychological issues, theories, and research concerning adolescent development. Influences on cognitive, personality, and social development are analyzed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 451 Psychophysiology of Aging**

*Prerequisite: PSY 121; and BIO 101 and 111, or BMS 100 and 101, or BMS 110 and 111.*

This course will provide an introduction to the biology and physiology of aging. Students will examine broad changes in structure and function in humans, and get a closer look at changes in systems, organs, tissues, and cells in humans and some nonhumans. The class will explore the implications of these changes on function and independence in old age; learn about the impact of these changes on research and development of therapeutic measures to prevent, maintain or improve structure and function; and study methods for preventing decline, and maintaining and improving health and quality of life in older adults.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 481 Human Engineering**

*Prerequisite: PSY 121 or 60 hours.*

Focuses on systematic attempts to develop principles and data to be applied in adapting equipment, machines, work space, and environments for human use.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 486 Management and Assessment in the Middle and Secondary Classroom**

*Prerequisite: admission to Teacher Education Program; and PSY 360 or equivalent competencies.*

Planning, constructing, using, and analyzing a variety of assessment practices and understanding uses of standardized testing in education. Covers adolescent social behavior, management theory and strategies that promote effective learning and development while minimizing disruptive behavior. Application of theory to classroom practice and everyday situations. Identical with SFR 486. Cannot receive credit for both PSY 486 and SFR 486.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PSY 487 Behavior Problems of Childhood**

*Prerequisite: PSY 121 or PSY 331.*

Survey of the patterns of maladjustment in childhood from infancy through early adolescence. Introduction to the concepts related to the origin, manifestation, and treatment of childhood psychopathology emphasizing a developmental approach.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 490 Preparation for Graduate School**

Primarily for senior students considering graduate study in psychology and related fields. Emphasis is on career awareness and the practical activities involved in the application process.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 493 Directed Readings in Educational Psychology**

*Prerequisite: PSY 121 and permission of instructor.*

This course is designed for transfer students who are seeking teacher certification and who need to complete a limited number of MOSTEP standards. The course will involve inquiry into selected topics of educational psychology.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 495 Senior Seminar**

*Prerequisite: senior standing (90 hours); and 27 hours of Psychology.*

Activities to help students identify and explore postgraduate career opportunities. A major field achievement test and program evaluation will be administered.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 496 Directed Readings in Psychology**

*Prerequisite: 10 hours of psychology and permission of department head.*

Outstanding students who wish to undertake directed readings must consult with a professor of the department who specializes in the area selected, and with his or her consent present a written proposal to the head of the department for approval. Such proposals must be presented and approved before final registration for the course. Credited only on BA and BS degrees. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 497 Advanced Topics in Psychology**

*Prerequisite: 9 hours psychology.*

In depth inquiry into selected topics of psychology. May be repeated to a maximum of 9 hours if topic is different. 1-3 F,S. Approved recurring course topic: Ethical Issues and Concepts. Exploration of the ethical principles and standards that guide the practice of psychology. Approved recurring course topic: Psychological Disorders in the Movies. Exploration and examination of psychological disorders in film. Approved recurring course topic: Psychology of Sexual and Intimate Relationships. Exploration of issues related to sexual and intimate relationships including techniques to enhance communication, sexual intimacy and relationships.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 498 Directed Research**

*Prerequisite: PSY 121 and permission of sponsoring faculty member and department head.*

Allows students to gain research experience by working with an individual faculty member either as a research assistant or as a primary researcher working under faculty supervision. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 499 Practicum in Psychology**

*Prerequisite: PSY 121 and 14 additional hours of psychology and permission of department head.*

Offers an opportunity for the student to obtain experience through field work. Such experience need not be confined to the campus. May be repeated for a maximum of six hours.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 502 Learning Theories**

*Prerequisite: PSY 121 and 3 additional hours of psychology.*

An introduction to contemporary theories about learning and behavior, emphasizing the experimental basis of these phenomena. May be taught concurrently with PSY 602. Cannot receive credit for both PSY 602 and PSY 502.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 505 Forensic Child Psychology**

*Prerequisite: PSY 121.*

Explores the basics of forensic psychology with emphasis on factors that affect children, how these factors are assessed and how communities intervene to reduce both child crime and child victimization. The class will involve text analysis as well as analysis of primary source readings. May be taught concurrently with PSY 604. Cannot receive credit for both PSY 604 and PSY 505.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 506 Perception**

*Prerequisite: PSY 121 and 3 additional hours of psychology.*

Nature of perception, concept formation and role of language. May be taught concurrently with PSY 606. Cannot receive credit for both PSY 606 and PSY 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 508 Introduction to Applied Behavior Analysis**

*Prerequisite: PSY 121.*

Serves as an introduction to the field of applied behavior analysis. During this course, students are introduced to content areas contained in the Behavior Analysis Certification Board Task List. This includes core concepts such as reinforcement, punishment, stimulus control, and principles of shaping. Students will be introduced to functional assessments and functional analyses. Additional topics include verbal behavior and ethical considerations for behavior analysts. May be taught concurrently with PSY 614. Cannot receive credit for both PSY 614 and PSY 508.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 510 Research in Psychology**

*Prerequisite: PSY 121; and PSY 200 or equivalent; and PSY 302.*

Advanced course in research methodology for psychology. The course focuses on individual research projects.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PSY 512 Personality Theory and Systems**

*Prerequisite: PSY 121 and PSY 304.*

Current theories of personality, research background and historical development. May be taught concurrently with PSY 612. Cannot receive credit for both PSY 612 and PSY 512.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 513 Neuropsychology**

*Prerequisite: PSY 121 and 3 additional hours of Psychology.*

Introduction to the field of neuropsychology. Includes careers, history, behavioral changes after brain injury, assessment, and ethical considerations. May be taught concurrently with PSY 613. Cannot receive credit for both PSY 513 and PSY 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 514 Psychology of Child Abuse and Exploitation**

*Prerequisite: PSY 121 and 60 hours.*

Study of forensic issues related to child abuse and exploitation. Students will gain an understanding of the forensic and psychological issues that often arise during child abuse investigations. The Child Advocacy Center, Inc. will participate in the design of the course, thus the specific forensic issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 617. Cannot receive credit for both PSY 514 and PSY 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 519 Cognitive Development**

*Prerequisite: PSY 121 and PSY 331 and 3 additional hours of psychology.*

Study of cognitive development in children and adolescents. Topics to be included: perception, memory, visual imagery, problem solving, language development, cognitive style, social learning theory, information processing theory, and Piaget's theory. Applications in education, child rearing, and behavior management. May be taught concurrently with PSY 619. Cannot receive credit for both PSY 619 and PSY 519.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 521 Physiological Psychology**

*Prerequisite: PSY 121 and 3 additional hours of psychology.*

Physiological correlates underlying behavior, including sensory and response mechanisms, central nervous system. May be taught concurrently with PSY 622. Cannot receive credit for both PSY 622 and PSY 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 523 Psychology and Language**

Recommended Prerequisite: 6 hours of Psychology. An examination into the nature of and research in human language and its relationship to psychology. Topics will include the biological bases of language, speech production and perception, word recognition, sentence processing, reading, discourse, dyslexia, grammar and the lexicon. This course will cover current theories on these topics and experimental paradigms analyzing language and psychology. May be taught concurrently with PSY 623. Cannot receive credit for both PSY 523 and PSY 623.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 524 Honors Project in Psychology**

*Prerequisite: PSY 121; and PSY 200 or equivalent; and PSY 302; and PSY 510, and permission of sponsoring faculty member and department head; open to Honors College students only.*

Students will revise and expand their individual research project completed for PSY 510. The final project from this course must be submitted to a student conference or student journal, as well as to the Honors College as the student's Honors Project.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PSY 525 Motivation and Emotions**

*Prerequisite: PSY 121 and 3 additional hours of psychology.*

Psychological and physiological motives, needs, drives and instinctual mechanisms; emotional effects of these upon the organism. May be taught concurrently with PSY 625. Cannot receive credit for both PSY 625 and PSY 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 527 Advanced Psychological Statistical Methods**

*Prerequisite: introductory statistics selected from: PSY 200, 711; AGR 330; MTH 340; QBA 237; REC 328; SOC 302; or equivalent.*

A review of introductory statistics and investigation of research methods in behavioral sciences that require multivariate statistical models. This course takes an applied orientation and emphasizes the use of statistical packages. Topics include: linear models, principal components analysis, discriminant analysis, multiple regression analysis, multiple regression with categorical variables, and multi-factor ANOVA. May be taught concurrently with PSY 627. Cannot receive credit for both PSY 627 and PSY 527.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 529 Psychological Tests and Measurements**

*Prerequisite: PSY 121; and PSY 200 or equivalent.*

Theory and techniques underlying measurement of human traits and abilities. Critical analysis of intellectual, achievement, interest and personality tests, including their development, application and potential abuses. May be taught concurrently with PSY 629. Cannot receive credit for both PSY 629 and PSY 529.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 533 Psychological Issues in Religion**

*Prerequisite: PSY 121.*

Comprehensive overview of historical background, research methods, and contemporary issues involving behavior and religious beliefs. Psychological research in the areas of religious development and cognition will be included. May be taught concurrently with PSY 633. Cannot receive credit for both PSY 633 and PSY 533.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 534 Psychology of Infancy**

*Prerequisite: PSY 121 and PSY 331.*

Theory and research on the maturation and cognition of the human infant in the first two years, from a developmental psychometric perspective. General principles of the mental and motor assessment of the infant and interpretation will be emphasized through class demonstrations so that the student may understand the use of these procedures in interpreting development and research. May be taught concurrently with PSY 634. Cannot receive credit for both PSY 634 and PSY 534.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 535 Discipline and Social Behavior in the Classroom**

*Prerequisite: PSY 121; and PSY 360 or PSY 380 or PSY 385 or PSY 390.*

Provides a psychological perspective of individual and social factors necessary to develop an effective eclectic approach to discipline and an understanding of social behavior in the classroom. Includes an emphasis on personal, social, and motivational development. May be taught concurrently with PSY 635. Cannot receive credit for both PSY 635 and PSY 535.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 550 Psychological Testing in Remedial Reading**

*Prerequisite: permission of department head.*

Techniques and skills in utilizing psychological tests as they pertain to diagnosing reading disabilities and prediction of success in remedial programs. Students receive supervised practice in administration. May be taught concurrently with PSY 648. Cannot receive credit for both PSY 648 and PSY 550.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**PSY 555 Developing Sport Team Leaders**

This e-course delivers leadership, team processes, and motivation principles to help coaches develop the leadership skills of sport team athletes. This course aligns sport program goals with educational goals by utilizing athletic settings to promote skills that student-athletes can apply on sport teams and in other group settings. Coaches will learn how to set specific leadership goals with team leader-athletes and will learn concrete and constructive ways to mentor leader-athletes. Coaches will use course principles to construct a plan for developing sport team leaders and for making "team leadership" a core team value. May be taught concurrently with PSY 649. Cannot receive credit for both PSY 649 and PSY 555.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 556 Developing Sport Team Leaders Practicum**

*Prerequisite: PSY 555 or concurrent enrollment; and permission of instructor.*

Complementing PSY 555 Developing Sport Team Leadership, this course provides a 2-credit option for students to document the application of a leadership development plan on a sport team. This course reinforces the value of leadership and leadership development on sport teams by helping to make "team leadership" a core team value. Advancing this objective, students learn to align the values of sport teams with the broader values of educational institutions. Students taking this course must provide evidence that they have permission to implement a leadership development program on an organized sport team prior to enrolling in the class (hours the student spends with the team must exceed 90 hours). May be taught concurrently with PSY 656. Cannot receive credit for both PSY 656 and PSY 556.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 557 Forensic Psychology: Child Abuse and the Law**

*Prerequisite: PSY 121 and 60 hours.*

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 657. Cannot receive credit for both PSY 557 and PSY 657.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 565 Psychological Effects of Dementia**

*Prerequisite: PSY 121, PSY 365.*

Description of dementias, with particular references to Alzheimer's Disease and with emphasis on behavioral consequences for both patient and caregiver. Directed practicum. May be taught concurrently with PSY 669. Cannot receive credit for both PSY 669 and PSY 565.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**PSY 597 Specialized Topics in Psychology**

*Prerequisite: 9 hours of Psychology.*

Specialized investigation into selected topics in psychology. Graduate students will be required to complete an extra project to be determined by the instructor. May be repeated to a maximum of 9 hours if topic is different. Variable content course. May be taught concurrently with PSY 695. Cannot receive credit for both PSY 695 and PSY 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PSY 602 Learning Theories**

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. An introduction to contemporary theories about learning and behavior, emphasizing the experimental basis of these phenomena. May be taught concurrently with PSY 502. Cannot receive credit for both PSY 502 and PSY 602.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 604 Forensic Child Psychology**

Recommended Prerequisite: PSY 121. Explores the basics of forensic psychology with emphasis on factors that affect children, how these factors are assessed and how communities intervene to reduce both child crime and child victimization. The class will involve text analysis as well as analysis of primary source readings. May be taught concurrently with PSY 505. Cannot receive credit for both PSY 505 and PSY 604.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 606 Perception**

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Nature of perception, concept formation and role of language. May be taught concurrently with PSY 506. Cannot receive credit for both PSY 506 and PSY 606.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 612 Personality Theory and Systems**

Recommended Prerequisite: PSY 121 and PSY 304. Current theories of personality, research background and historical development. May be taught concurrently with PSY 512. Cannot receive credit for both PSY 512 and PSY 612.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 613 Neuropsychology**

Introduction to the field of neuropsychology. Includes careers, history, behavioral changes after brain injury, assessment, and ethical considerations. May be taught concurrently with PSY 513. Cannot receive credit for both PSY 613 and PSY 513.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 614 Introduction to Applied Behavior Analysis**

Serves as an introduction to the field of applied behavior analysis. During this course, students are introduced to content areas contained in the Behavior Analysis Certification Board Task List. This includes core concepts such as reinforcement, punishment, stimulus control, and principles of shaping. Students will be introduced to functional assessments and functional analyses. Additional topics include verbal behavior and ethical considerations for behavior analysts. May be taught concurrently with PSY 508. Cannot receive credit for both PSY 614 and PSY 508.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 617 Psychology of Child Abuse and Exploitation**

Study of forensic issues related to child abuse and exploitation. Students will gain an understanding of the forensic and psychological issues that often arise during child abuse investigations. The Child Advocacy Center, Inc. will participate in the design of the course, thus the specific forensic issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 514. Cannot receive credit for both PSY 617 and PSY 514.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 619 Cognitive Development**

Recommended Prerequisite: PSY 121 and PSY 331 and 3 additional hours of psychology. Study of cognitive development in children and adolescents. Topics to be included: perception, memory, visual imagery, problem solving, language development, cognitive style, social learning theory, information processing theory, and Piaget's theory. Applications in education, child rearing, and behavior management. May be taught concurrently with PSY 519. Cannot receive credit for both PSY 519 and PSY 619.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 622 Physiological Psychology**

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Physiological correlates underlying behavior, including sensory and response mechanisms, central nervous system. May be taught concurrently with PSY 521. Cannot receive credit for both PSY 521 and PSY 622.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 623 Psychology and Language**

Recommended Prerequisite: 6 hours of Psychology. An examination into the nature of and research in human language and its relationship to psychology. Topics will include the biological bases of language, speech production and perception, word recognition, sentence processing, reading, discourse, dyslexia, grammar and the lexicon. This course will cover current theories on these topics and experimental paradigms analyzing language and psychology. May be taught concurrently with PSY 523. Cannot receive credit for both PSY 623 and PSY 523.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 625 Motivation and Emotions**

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Psychological and physiological motives, needs, drives and instinctual mechanisms; emotional effects of these upon the organism. May be taught concurrently with PSY 525. Cannot receive credit for both PSY 525 and PSY 625.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 627 Advanced Psychological Statistical Methods**

Recommended Prerequisite: introductory statistics course selected from PSY 200, 711; AGR 330; ECO 308; MTH 340; QBA 237; REC 328; SOC 302; or equivalent. A review of introductory statistics and investigation of research methods in behavioral sciences that require multivariate statistical models. This course takes an applied orientation and emphasizes the use of statistical packages. Topics include: linear models, principal components analysis, discriminant analysis, multiple regression analysis, multiple regression with categorical variables, and multi-factor ANOVA. May be taught concurrently with PSY 527. Cannot receive credit for both PSY 527 and PSY 627.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 629 Psychological Tests and Measurements**

Recommended Prerequisite: PSY 121 and PSY 200 or equivalent. Theory and techniques underlying measurement of human traits and abilities. Critical analysis of intellectual, achievement, interest and personality tests, including their development, application and potential abuses. May be taught concurrently with PSY 529. Cannot receive credit for both PSY 529 and PSY 629.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 633 Psychological Issues in Religion**

Recommended Prerequisite: PSY 121 and REL 100. Comprehensive overview of historical background, research methods, and contemporary issues involving behavior and religious beliefs. Psychological research in the areas of religious development and cognition will be included. May be taught concurrently with PSY 533. Cannot receive credit for both PSY 533 and PSY 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 634 Psychology of Infancy**

Recommended Prerequisite: PSY 121 and PSY 331. Theory and research on the maturation and cognition of the human infant in the first two years, from a developmental psychometric perspective. General principles of the mental and motor assessment of the infant and interpretation will be emphasized through class demonstrations so that the student may understand the use of these procedures in interpreting development and research. May be taught concurrently with PSY 534. Cannot receive credit for both PSY 634 and PSY 534.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 635 Discipline and Social Behavior in the Classroom**

Recommended Prerequisite: PSY 121; and either PSY 360, PSY 380, PSY 385, or PSY 390. Provides a psychological perspective of individual and social factors necessary to develop an effective eclectic approach to discipline and an understanding of social behavior in the classroom. Includes an emphasis on personal, social, and motivational development. May be taught concurrently with PSY 535. Cannot receive credit for both PSY 535 and PSY 635.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 648 Psychological Testing in Remedial Reading**

*Prerequisite: permission of department head.*

Techniques and skills in utilizing psychological tests as they pertain to diagnosing reading disabilities and prediction of success in remedial programs. Students receive supervised practice in administration. May be taught concurrently with PSY 550. Cannot receive credit for both PSY 550 and PSY 648.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**PSY 649 Developing Sport Team Leaders**

This online course delivers leadership, team processes, and motivation principles to help coaches develop the leadership skills of sport team athletes. This course aligns sport program goals with educational goals by utilizing athletic settings to promote skills that student-athletes can apply on sport teams and in other group settings. Coaches will learn how to set specific leadership goals with team leader-athletes and will learn concrete and constructive ways to mentor leader-athletes. Coaches will use course principles to construct a plan for developing sport team leaders and for making "team leadership" a core team value. May be taught concurrently with PSY 555. Cannot receive credit for both PSY 555 and PSY 649.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 656 Developing Sport Team Leaders Practicum**

*Prerequisite: PSY 649 or concurrent enrollment.*

Complementing PSY 649 Developing Sport Team Leadership, this course provides a 2-credit option for students to document the application of a leadership development plan on a sport team. This course reinforces the value of leadership and leadership development on sport teams by helping to make "team leadership" a core team value. Advancing this objective, students learn to align the values of sport teams with the broader values of educational institutions. Students taking this course must provide evidence that they have permission to implement a leadership development program on an organized sport team prior to enrolling in the class (hours the student spends with the team must exceed 90 hours). May be taught concurrently with PSY 556. Cannot receive credit for both PSY 556 and PSY 656.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 657 Forensic Psychology: Child Abuse and the Law**

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 557. Cannot receive credit for both PSY 657 and PSY 557. Identical with CRM 657. Cannot receive credit for both PSY 657 and CRM 657.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PSY 669 Psychological Effects of Dementia**

Recommended Prerequisite: PSY 121 and PSY 365. Description of dementias, with particular references to Alzheimer's Disease and with emphasis on behavioral consequences for both patient and caregiver. Directed practicum. May be taught concurrently with PSY 565. Cannot receive credit for both PSY 565 and PSY 669.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**PSY 695 Specialized Topics in Psychology**

Recommended Prerequisite: 9 hours of Psychology. Specialized investigation into selected topics in psychology. Graduate students will be required to complete an extra project to be determined by the instructor. May be repeated to a maximum of 9 hours if topic is different. Variable content course. May be taught concurrently with PSY 597. Cannot receive credit for both PSY 695 and PSY 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PSY 700 Problems of Psychology**

Individual investigation into a problem or problems of concern to the student and deemed of significance by the instructor. Written report required.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PSY 701 Symposium in Psychology**

Specific topics selected to introduce graduate students to research and theory. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PSY 703 Human Growth and Development**

Depth investigation of growth and development during elementary school years. Experimental evidence and clinical evaluations used to supplement consideration of major theories of development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 705 Psychology of Adolescence**

Depth investigation of growth and development during the adolescent period. Experimental evidence and clinical evaluation used to supplement consideration of major theories of adolescence.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 707 Psychology of the Adult**

Development of intellectual functions, personality, and social psychological processes across the adult life span will be emphasized. Normal as well as abnormal phenomena unique to young, middle-aged, and elderly adults will also be considered.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 708 Memory**

Provides in-depth analyses of historical and current theories and associated research in higher mental cognition processing. Primary emphasis is on normal human adult functioning, although associated topics such as cognitive development, learning dysfunctions and skill enhancement will be considered.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 709 Psychological Evaluation of Pre-School Children**

Program involving both theory and practice in psychological evaluation of pre-school children.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 710 Psychology of Education**

Orientation to the use of psychology in education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 711 Introductory Statistics for Education and Psychology**

Statistical techniques used in education and psychology; overview of scaling techniques, sampling, descriptive techniques, inferential techniques (to include t and x2), reliability and validity.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 716 Personnel Psychology**

A survey of the psychological principles, theory, and research related to personnel practices in organizations. Topics include job analysis, performance appraisal and criterion development, individual differences measurement, personnel selection, and reliability, validity, and utility analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 718 Organizational Psychology**

Recommended Prerequisite: PSY 121 and PSY 304. A survey of the psychological principles, theory, and research related to behavior in organizations. Topics include work motivation, job satisfaction and performance, leadership and group processes, organizational design and development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 720 Individual Intelligence Testing**

*Prerequisite: PSY 629 or COU 701.*

Analysis of individual tests of intelligence; Wechsler Scales and the Revised Stanford Binet. Students receive supervised practice in administration, scoring and interpretation of individual tests. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**PSY 721 Individual Intelligence Testing II**

*Prerequisite: PSY 629 or COU 701.*

Analysis of individual tests of intelligence; Stanford-Binet Fourth Edition and Kaufman Assessment Battery for Children. Students will receive supervised practice in administration, scoring, and interpretation.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**PSY 730 Projective Techniques**

*Prerequisite: COU 701 and PSY 720.*

Introduction to theory of and basic underlying projective methods.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 740 Psychological Assessment**

*Prerequisite: admission to MS in Psychology program.*

Students of clinical psychology will be introduced to the process of psychological diagnosis. They will be expected to master the administration, scoring, and interpretation of individual instruments and become acquainted with the foundations and theory and research on which they rest. In addition the course will emphasize the differential applicability of tests and assessment techniques to a wide range of referral problems and the principles of clinical inference that may be used to interpret, integrate, and communicate their diagnostic findings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 742 Practicum in Psychological Assessment**

*Prerequisite: PSY 740 and PSY 750 and permission of instructor.*

Supervised experience in assessment, diagnoses and report-writing with clients at a community mental health facility. Site arrangements must be made by the Practicum Coordinator during the preceding semester. Consists of a one-hour seminar on campus and 4 hours at the practicum site each week. May be repeated and a minimum grade of "B" must be maintained.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**PSY 745 Statistics and Research Design**

Recommended Prerequisite: introductory statistics course from PSY 200, 611; AGR 330; ECO 308; MTH 340; QBA 237; REC 328; SOC 302; or equivalent. Use of the Analysis of Variance (ANOVA) Models and Multivariate Analysis in the design and analysis of psychological experiments.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PSY 747 Single Subject Research Design in Applied Behavior Analysis**

*Prerequisite: admission to Applied Behavior Analysis program or permission of instructor.*

Provides instruction in the use of single subject design research methods, in both experimental and applied settings. Instruction provided in behavioral measurement via direct and indirect observation, the employment of group and individual (single-subject) time series designs, statistical approaches for within-group and single-subject design data analysis and interpretation, and use of data to evaluate interventions. The course also considers professional issues in the ethical conduct of research and practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 750 Advanced Survey of Psychology**

Reinforce breadth of knowledge of psychology in the areas of Biological bases of behavior, Sensation and Perception, Memory, Cognition, Motivation, Development and Social Psychology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 751 Seminar in Methods of Research**

*Prerequisite: PSY 710 and PSY 711.*

Investigation of research methods employed in education and psychology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 752 Research Methods**

*Prerequisite: PSY 745.*

Provides an understanding of the research methods employed in experimental and applied settings. Includes ethical considerations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 753 Program Evaluation**

*Prerequisite: PSY 745.*

The application of research methods to the evaluation of programs and planned change interventions in organizations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 757 Observational Methods and Functional Assessment**

*Prerequisite: admission to the Applied Behavior Analysis program or permission of instructor.*

Recommended Prerequisite: PSY 614. Current research and best practices in the area of behavioral assessment. Topics include behavioral definitions, observational recording techniques, data analysis, functional and stimulus preference assessment methods, and issues of validity and reliability of measurement.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 759 Teaching of Psychology**

Must be taken prior to or concurrent with first teaching of any regular or laboratory section of any course. Preparation for teaching college courses, includes development of personal philosophies of teaching; suggestions for active student learning; maintaining student motivation; preparing assignments, in-class presentations, and exams; grading; and classroom management. Designed to help graduate students prepare for their first independent college teaching experiences.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 760 Clinical Communication Skills**

*Prerequisite: admission to MS in psychology.*

Introduction to the nature of the helping process with emphasis on strategies of behavior change, interpersonal communication, and development of basic helping skills.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 761 Ethical and Professional Issues**

*Prerequisite: admission to MS in Psychology or Applied Behavior Analysis.*

An exploration of ethical issues, including values, professional responsibilities, and professional ethics codes. Issues are explored both from ethical and legal perspectives. Current professional issues, such as changing modes of assessment and intervention, are examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 764 Group Psychotherapy**

*Prerequisite: permission of instructor.*

An extensive analysis of the factors contributing to the development and maintenance of therapeutic groups in a variety of settings. The prevention and education uses of small groups and small group processes will be included.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 765 Psychotherapy and Counseling: Theories and Techniques**

*Prerequisite: admission to MS in Psychology program.*

Investigation of the major theoretical approaches and strategies of psychotherapy and counseling along with the techniques associated with each theory. Emphasis on theoretical bases and critical analysis of comparative research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 766 Psychopathology**

*Prerequisite: permission of instructor.*

Focus is on the differential diagnosis of psychological disorders, the appropriate use of current diagnostic systems, and relevant research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PSY 767 Behavior Disorders of Childhood**

*Prerequisite: PSY 766.*

Course focuses on assessment and treatment of common childhood behavior disorders. The course emphasizes 1) the study of biological, behavioral, cognitive, and systemic variables in the development of childhood behavior disorders; 2) training in multiaxial diagnostic assessment; and 3) interventions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 768 Personality and Social Development**

A survey of the major theoretical and practical issues in the study of personality and social development. The course will focus on application of personality to universal human concerns.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 771 Organizational Health Psychology**

*Prerequisite: PSY 718.*

An in-depth consideration of the psychological principles, theory, research, applications and problems associated with occupational stress, safety and health. Topics include personal, organizational, work-related and social antecedents to stress, as well as the short-term and long-term responses to stress.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 772 Performance Assessment**

*Prerequisite: PSY 716 and PSY 745.*

An in-depth consideration of theory, research, applications and problems of performance assessment in organizations. Topics include criterion development and validation, models of effectiveness, performance appraisal, methods and sources of evaluation, performance feedback, team performance measurement, and biases in assessment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 773 Human Factors**

*Prerequisite: PSY 751.*

Provides an introduction to human factors engineering (ergonomics) primarily in the workplace. Involves emphasis on analyzing job requirements, human capabilities, human-machine interactions, and safety.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 774 Training and Development**

*Prerequisite: PSY 716 and PSY 718.*

An in-depth consideration of theory, research, applications, and problems in the design, conduct and evaluation of training programs in organizational settings. Topics include needs assessment, theories of learning and motivation, transfer of training, and evaluation of training processes and outcomes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 776 Personnel Selection, Placement and Classification**

*Prerequisite: PSY 716 and PSY 745.*

An in-depth consideration of the theory, research, applications, and problems in matching of individual needs, preferences, skills and abilities with the needs and preferences of organizations. Topics include job analysis, theories of human performance, test development and use, alternative selection techniques, EEO law, criterion development, and validation of selection decisions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 777 Conceptual Foundations of Applied Behavioral Science**

*Prerequisite: admission to Applied Behavior Analysis program or permission of instructor.*

The course addresses the history of behavior analysis, philosophy of science, advanced behavioral principles and processes and their application to various content domains in the behavioral, social, and cognitive sciences (e.g., emotion, language, cognition, and culture).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 778 Group Processes**

*Prerequisite: PSY 718.*

An in-depth consideration of theory, research, applications, and problems in group processes in organizations. Topics include models and typologies of group performance, group decision making, group social influence and ecology, leadership, and team staffing and development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 779 Topics in Industrial/Organizational Psychology**

*Prerequisite: PSY 716 and PSY 718.*

Advanced study of selected topics in I/O psychology . Course requirements include extensive readings and a paper. May be repeated if different topics for a maximum of 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PSY 780 Social Psychology**

*Prerequisite: admission to the MS in Psychology program.*

Advanced study of interactions and social cognition, including attitude change, person perception, and group dynamics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PSY 796 Practicum**

*Prerequisite: admission to the MS in Psychology or Applied Behavior Analysis program.*

Offers an opportunity for the graduate student to gain additional training through field experiences in research, clinical or organizational settings. Such experience need not be confined to the campus. Variable content course. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 797 Directed Research**

*Prerequisite: admission to MS in Psychology or Applied Behavior Analysis program.*

Offers an opportunity for the graduate student to gain additional training through guided research. Such research need not be confined to the campus. May be repeated for a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 798 Internship**

*Prerequisite: PSY 796 and permission.*

Supervised fieldwork in a professional psychology setting. Includes a seminar paper as a requirement.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PSY 799 Thesis**

*Prerequisite: admission to MS in Psychology or Applied Behavior Analysis program.*

Independent research and study leading to the completion of the thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Gerontology

## Major(s)

## Gerontology (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
The following prerequisite courses will meet General Education requirements: COM 115(3); PLS 101(3); PSY 121(3); BIO 101(3) and 111(1), or BMS 100(3), or BMS 110(3) and 111(1).

B. Major Requirements

1. Prerequisite for required courses for Gerontology major: none

2. Core courses for Gerontology major:

   a. Substantive Aging Courses: GER 310/SOC 375(3); GER 380(3); GER 470/SWK470(3); PSY 365(3), 451(3)

   b. Research Methods Course: PSY 203(3) or PSY 302(3) or SOC 301(3) or another course approved by advisor

   c. Communication Skills Course: COM 332(3) or 390(3) or 405(3) or another course approved by advisor

   d. Statistics Course: AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3) or another course approved by advisor

   e. Health Sciences Course: BMS 130(3) or 240(3) or 310(3) or COM 507(3) or another course focusing on issues of physical health and wellness selected by the student with advisor approval

3. Other required courses: GER 598(3-12), Supervised Practicum in Gerontology and GER 599(3), Seminar in Gerontology

4. Electives to complete comprehensive major: 6 hours of GER or PSY designated

courses related to aging issues with another 3 hours selected by the student with advisor approval

5. Public Affairs Capstone Experience will be fulfilled by completion of GER 598(3-12) and GER 599(3).

C. Electives to complete 125 hours. Students are encouraged to use these hours to complete another major or minor.

D. General Baccalaureate Degree Requirements

## Minor(s)

### Gerontology

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

A. Required Core Courses: GER 380(3); and two of the following courses: GER 310/SOC 375(3); PSY 365(3), PSY 451(3)

B. Complete an additional 9 hours of elective courses chosen from the following with approval of the program coordinator or delegate to bring total hours in minor to at least 18 hours: GER 300(1); GER 310/SOC 375(3)*; GER 320/PSY 354(3); GER 365/CFD 365/PSY 366/SWK 365(3); GER 396(1-3); GER 397(1-3); GER 597(1-3); PSY 309(3); PSY 363(3); PSY 365(3)*; PSY 451(3)*; COM 390(3); KIN 567(3); or another approved course.
*Counts in elective hours if **not** taken as a "required" core course.

# Psychology

## Major(s)

## Psychology (Non-Comprehensive) (BA)

Bachelor of Arts

**Admission requirement**

Complete PSY 150(1).

### Program requirements

A. General Education Program and Requirements Note: PSY 121 may meet requirements for both the General Education Program and the Psychology major.

B. Major Requirements (34 hours)

1. Required Core (13 hours): PSY 121(3), 150(1), 200(3), 302(3), 411(3)

2. Foundation Coursework (12 hours): Complete at least one course from each of the following areas:

   a. Developmental: PSY 331(3), 350(3), 365(3), 441(3)

   b. Learning and Cognition: PSY 306(3), 422(3), 523(3)

   c. Biological Processes: PSY 336(3), 451(3), 506(3), 521(3), 525(3)

   d. Applied: PSY 304(3), 305(3), 359(3), 360(3), 508(3), 512(3), 529(3)

3. Additional 9 hours of psychology electives, at least 6 hours of which must be numbered 300 or higher. Note: PSY 101, PSY 203, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

4. Public Affairs Capstone Experience will be fulfilled by completion of PSY 411(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Psychology (Non-Comprehensive) (BS)

Bachelor of Science

### Admission requirement

Complete PSY 150(1).

### Program Requirements

A. General Education Program and Requirements Note: PSY 121 may meet requirements for both the General Education Program and the Psychology major.

B. Major Requirements (34 hours)

1. Required Core (13 hours): PSY 121(3), 150(1), 200(3), 302(3), 411(3)

2. Foundation Coursework (12 hours): Complete at least one course from each of the following areas:

   a. Developmental: PSY 331(3), 350(3), 365(3), 441(3)

   b. Learning and Cognition: PSY 306(3), 422(3), 523(3)

   c. Biological Processes: PSY 336(3), 451(3), 506(3), 521(3), 525(3)

   d. Applied: PSY 304(3), 305(3), 359(3), 360(3), 508(3), 512(3), 529(3)

3. Additional 9 hours of psychology electives, at least 6 hours of which must be numbered 300 or higher. Note: PSY 101, PSY 203, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

4. Public Affairs Capstone Experience will be fulfilled by completion of PSY 411(3).

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

## Psychology

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Nursing
Bachelor of Social Work

A. Required Course (3 hours): PSY 121(3)

B. Elective Courses (15 hours): Complete additional PSY courses, with at least 6 hours numbered 300 or higher, to total at least 18 hours. Note: PSY 101, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

## Psychology

Bachelor of Science in Education (Non-Certifiable)
No certificate to teach is issued on a psychology minor. However, those teaching psychology in high school will find this program valuable, as will those planning graduate work in educational psychology, counseling and guidance, etc.

A. Required Courses (9-12 hours): Complete one of the following groups:

    1. PSY 121(3) and PSY 203(3) and PSY 331(3)

    2. PSY 121(3) and PSY 200(3) and PSY 302(3) and PSY 331(3)

B. Elective Courses (12-15 hours): Complete additional PSY courses, numbered 300 or higher, to total at least 24 hours. Note: PSY 101, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

**Email**

Psychology@missouristate.edu

**Website**

psychology.missouristate.edu

# Forensic Child Psychology Certificate

## Forensic Child Psychology

A 12 credit hour certificate in Forensic Child Psychology is available to undergraduate students of Missouri State University. The certificate is offered to support professionals in the fields of criminology, social work, medicine and other related specialties who must interact with children in a forensic setting (e.g., forensic child interviewers or law enforcement officers) or who are first-line service providers (e.g., teachers, counselors, social workers and nurses). Student will be trained in 1) general forensic psychology with children, 2) child abuse detection, assessment, intervention and prevention, 3) child abuse law, and 4) mandated reporting of child abuse.

### Admission Requirements

To be admitted students must have completed 60 credit hours and have a GPA of at least 3.00 and submit a personal statement explaining their reasons for seeking the certificate and how the program will meet their professional goals. Meeting these minimum requirements does not guarantee admission to the certificate.

### Program Requirements (12 hours)

PSY 505 Forensic Child Psychology (3)

PSY 514 Psychology of Child Abuse and Exploitation (3)

PSY 557 Forensic Psychology: Child Abuse and the Law (3)

CFD 562 Prevention of Child Abuse and Neglect (3)

### Assessment Plan

Post-graduation evaluations of students completing the certificate program will be conducted to identify rates of employment as well as satisfaction with the program including perceptions of preparedness.

# Public Health Program

## Programs

+Indicates accelerated graduate program is available

## Graduate

Public Health, Master of (MPH)+

Public Health Administration (Certificate)

Public Health Core (Certificate)

Public Health and Homeland Security (Certificate)

## Accreditation

Council on Education for Public Health – Master of Public Health

## Accelerated graduate program in Master of Public Health

Eligible Missouri State undergraduate students may apply for admission to the Master of Public Health program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Contact

**Interim program director**

David M. Claborn, DrPH

**Office**

McQueary Family Health Sciences Hall, Room 112

**Phone**

417-836-8850

**Fax**

417-836-8418

**Email**

publichealth@missouristate.ed

**Website**

www.missouristate.edu/mph

# Public Health Faculty

## Professor

Dalen Duitsman, HSD

David M. Claborn, DrPH

Kip R. Thompson, PhD

## Assistant professors

Missouri State

Office of the Registrar

Undergraduate Catalog



# Public Health Program Courses

## Public Health (PBH) courses

**PBH 720 Epidemiology**

An introduction to the epidemiological methods and procedures utilized in the study of the origin, distribution, and control of disease. It will include the study of infectious and non-infectious disease etiology, including vector control, host defenses and resistance, and investigation of disease outbreaks. Students will learn to use basic epidemiological concepts and methods for program planning, evaluation, and research. Basic statistical measures used in the analysis of clinical and epidemiologic evaluations, including measures of disease frequency and measures of absolute and relative effects, will be covered. Identical with NUR 700. Cannot receive credit for PBH 720 and NUR 700.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PBH 730 Biostatistics in Health Sciences**

This course is an introduction to biostatistical methods in the context of public health and medical sciences. Major topics will include: research design and measurement, sampling, exploratory data analysis, probability and sampling distributions, hypothesis testing, contingency table analysis, nonparametric methods, correlation, linear regression, logistic regression and survival analysis. Emphasis will be on developing an understanding of these methods and drawing appropriate conclusions from analysis findings. Students will also be introduced to statistical programming packages.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PBH 735 Software Applications and Data Sources in Public Health**

*Prerequisite: permission of instructor.*

This course will provide an overview of important software and databases that are commonly used in public health surveillance, program planning and research. Students will learn to access, analyze, and interpret morbidity and mortality data from a variety of national and statewide data sources (e.g., NHANS, BRFSS, MICA, CDC Wonder, vital statistics). Data will be analyzed descriptively using statistical software including Excel, CDC's EpiInfo, SPSS and/or SAS.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PBH 740 Health Behavior**

This course examines selected theories of health behavior relevant to individual and community health promotion program planning. Students will analyze biological, psychological, sociological, and environmental influences on health behavior and evaluate strategies for health promotion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PBH 745 Environmental Health**

This course will investigate and examine the relationships of environmental health problems to human health. Students will survey the major environmental issues facing developed and developing countries. Topics include water supply, air and noise pollution, sewage treatment and waste disposal, pest and pesticides, toxic waste, energy alternatives, food and drug quality assurance, population control, and environmental disease control.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PBH 756 Introduction to Public Health**

This course will provide a general introduction to public health. It will discuss the history of public health; international, federal, state, and local agencies; voluntary health agencies; professional health organizations; the legislative process as it relates to public health, environmental health, health promotion, basic public health statistics and an introduction to epidemiology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PBH 758 Contemporary Issues in Public Health**

In-depth consideration of pertinent issues, trends, controversy, and current research in public health.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PBH 760 Research Methods in Public Health**

This course is designed to help students gain the necessary knowledge and skills for undertaking research on issues related to public health.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PBH 772 Toxicology and Hazardous Materials**

A study of toxic substances and their effects in the environment and in living organisms. This course also includes a study of safety methods for identifying, monitoring, handling, processing, containing, storing, and disposing hazardous and toxic substances in the environment and workplace. Students are encouraged to have had courses in physiology, biochemistry and/or pharmacology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PBH 775 Principles and Skills of Public Health Administration**

This course is designed to provide a comprehensive overview of the administrative, managerial and organizational practices of health professionals in a variety of settings. Opportunities for the development and application of administrative competencies in health education/health care settings will be provided.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PBH 778 Chronic Disease Epidemiology**

This course examines problems and methods used in studying chronic diseases. Focus will be on the collection and interpretation of chronic disease data, and application of epidemiological and statistical principles pertaining to cancer, cardiovascular diseases, cerebrovascular diseases, chronic lung diseases, diabetes, musculoskeletal diseases, neurologic disorders and other chronic diseases.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PBH 781 Public Health Preparedness**

This course will investigate the health risks and hazards associated with emergency situations, and the roles of public health professionals and volunteers in the preparation for and response to emergencies and disasters.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PBH 783 International Health and Infectious Disease**

This course will investigate the epidemiology, impact, and control of infectious diseases in the context of the international environment. Topics will include the structure and financing of health systems in the developing world, the medical community's ability to respond to infectious disease risks, and the specific impacts of major infectious diseases with an emphasis on tuberculosis, AIDS, and malaria. This course is not a clinical course and will not address the diagnosis or treatment of disease.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PBH 785 Seminar in Public Health**

*Prerequisite: permission of Graduate Coordinator.*

Variable topics course. The study, analysis, and discussion of timely issues in public health. May be repeated for credit if topic is different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PBH 788 Public Health Practicum**

The Public Health practicum is required of all students enrolled in the Professional Option of the MPH program. It will involve developing, implementing and establishing a public health intervention that includes, reflects, and integrates public health principles, theory, and practice as identified in the Masters in Public Health curriculum. All required courses must be completed in order to be eligible. Project selection must be approved by the course instructor.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PBH 790 Independent Study in Public Health**

*Prerequisite: permission of instructor and program director.*

The independent study in Public Health is a carefully planned experience which allows the advanced student to investigate a clearly defined problem that will enhance their academic preparation. May be repeated for credit.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PBH 798 Public Health Field Experience**

*Prerequisite: students must have successfully completed 33 hours including all public health core and other required courses and passed the core course exam.*

The required field experience provides experience in program development, community relations, public education, and research. Possible sites include: official health agencies, voluntary health agencies, or community social agencies. Selection is dependent on the students' backgrounds and career expectations. Students may choose to spend their entire time in one agency, or, for shorter periods, in 2 or more agencies. The field experience can be done during the fall, spring, or summer and can be no less than 200 hours. All field experiences must be approved by the field experience faculty supervisor and the Program Director to ensure the site acceptability. May be repeated.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PBH 799 Capstone Project in Public Health**

*Prerequisite: admission to the Master of Public Health program.*

The Capstone Project provides students the opportunity to integrate knowledge gained in the classroom with real-world problems through completion of a major research, program planning, policy development, management, service delivery, or evaluation project. Some aspect of the project must be original, whether it is the topic itself, an analysis of newly collected or extant data, the reinterpretation of others' finding, or the design and completion of a community project. While student led, the project is designed in consultation with, and carried out under the guidance of, a faculty supervisor. Student must have the capstone project proposal form approved by the faculty supervisor and Program Director prior to enrollment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

# School of Social Work

## Programs

### Undergraduate

Social Work, Bachelor of (BSW)

### Graduate

Social Work, Master of (MSW)

## Accreditation

Council on Social Work Education-Commission on Accreditation – Social Work (BSW, MSW)

## Contact

**Director**

Michele L. Day, PhD

**Office**

Pummill Hall, Room 105

**Phone**

417-836-6953

**Fax**

417-836-7688

**Email**

SocialWork@missouristate.edu

**Website**

www.missouristate.edu/swk

# Social Work Faculty

## Professor

Susan C. Dollar, LCSW, PhD

## Associate professors

Michele L. Day, PhD

Darryl R. Haslam, PhD

## Assistant professors

Amanda M. Keys, PhD - BSW Program Coordinator

Qiang Chen, PhD

Rose Korang-Okrah, PhD

## Clinical instructors

Natalie A. Curry, MSW, LCSW

Jannette L. Eldred, MSW, LCSW

Tiffany S. Havlin, PhD

Regina M. Russell, MSSW, LCSW - Coordinator, Field Education

## Emeritus faculty

Lola M. Butler, PhD

Joan C. McClennen, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Social Work Courses

## Social Work (SWK) courses

**SWK 200 Introduction to Social Work**

This course is an introduction to the values, knowledge, and skills that guide the profession of social work. Examines practice interventions at the individual, family, group, organization and community levels. The fields and settings for social work practice are discussed. A grade of "C" or better is required for admission to the BSW program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SWK 213 Introduction to Social Welfare Policy and Services**

*Prerequisite: "C" or better in SWK 200 or concurrent enrollment.*

This course examines the historical development and philosophical orientation of social welfare policy and services in the United States as well as introduces students to the development of social work as a profession. The course focuses on selected major social welfare policies and programs and the philosophical, economic, social and political forces that shape their development. A grade of "C" or better is required for admission to the BSW program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 219 Human Diversity**

*General Education Course (Focus on Cultural Competence).*

Content and skill development pertinent to working with diverse racial, cultural, ethnic, and other populations such as persons with physical disabilities and mental illnesses. This course is designed primarily to inform and sensitize individuals for effective interventions within a heterogeneous society. A grade of "C" or better is required for admission to the BSW program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SWK 300 Service Learning in Social Work**

*Prerequisite: 30 hours and concurrent enrollment in SWK 213.*

This service component for an existing course incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization or human/social service agency. Approved settings will focus on populations-at-risk, diverse populations and groups that have experienced social and economic injustice. A list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**SWK 306 Introductory Skills in Generalist Social Work Practice**

*Prerequisite: admission to the BSW program.*

An introduction to basic skills related to generalist social work practice. The course focuses on the planned change process through the micro, mezzo, and macro levels of social work.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 307 Social Work Practice with Individuals**

*Prerequisite: admission to the BSW program; and SWK 306.*

Basic principles, practice theories and skill for beginning generalist practice with individuals. Integrates practice theory and intervention skills within the context of the Generalist Intervention/Problem-Solving model. The class emphasizes personal awareness, professional growth, critical thinking and skills practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 313 Social Justice**

*Prerequisite: admission to the BSW program; and ECO 155 or ECO 165 or concurrent enrollment in ECO 155 or ECO 165; and PLS 101.*

The primary subject matter of this course is social and economic inequality in United States society. Students are introduced to the patterns and processes of social and economic inequality in its major forms: class, race/ethnicity, gender, and sexual and political orientation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 314 Advanced Social Welfare Policy and Services**

*Prerequisite: admission to the BSW program; and SWK 213.*

An introduction to the analytic, interactional, value clarification and political strategies necessary for policy analysis and implementation. Areas of study include domestic and global aspects of policy practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 320 Services for Women**

Examination of the multiple problems women experience, and needed community resources. Areas of study broadly include women and health, violence against women, women and socio-economic status.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 325 Human Behavior and the Social Environment I**

*Prerequisite: admission to the BSW program; PSY 121 and SOC 150 or concurrent enrollment in PSY 121 and SOC 150; and BIO 101 and 111, or BMS 100 and 101, or BMS 110 and 111.*

An introduction to the dynamics of human behavior and the effects of the social environment on the development of individuals and families.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 326 Human Behavior and the Social Environment II**

*Prerequisite: admission to the BSW program; and SWK 325.*

Exploration of a broad systems' approach to the generalist practice of social work. Focuses on the theories that support social work practice with groups, organizations, and communities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 330 Substance Abuse Interventions**

Examinations of the problems of alcohol and chemical dependence. Areas of study broadly include definitions, prevalence, etiology, policies, effects on family and society, and prevention and treatment approaches.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 365 Families in Later Life**

*Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.*

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with CFD 365, GER 365, and PSY 366. Can only receive credit for one of the following: CFD 365, GER 365, PSY 366 or SWK 365.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 370 Child Welfare Services**

Develop beginning competence in assessing types and benefits of different child welfare services, (i.e., foster care, adoptions, institutionalization); examination of the impact of public policies and social work practice on children and families.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 397 Special Topics**

*Prerequisite: permission of instructor.*

Selected topics of contemporary interest in social work such as changing social welfare policy, specialized fields of social work, models of practice and future trends in social work. May be repeated to a total of 6 hours as topics change. Variable Content Course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SWK 418 Methods of Social Research in Social Work Practice**

*Prerequisite: admission to the BSW program; SWK 307 and SWK 314 and SWK 326; and one of the following statistics courses: SOC 302, PSY 200, AGR 330, MTH 340, QBA 237, REC 328, or concurrent enrollment.*

The application and use of the social scientific method for conducting research and applying research to social work practice including, but not limited to, single subject research design, treatment intervention evaluation, and program evaluation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 420 Social Work Practice with Groups and Families**

*Prerequisite: admission to the BSW program; and SWK 307 and SWK 314 and SWK 326.*

Offers basic principles of group and family (G/F) interventions with a generalist practice foundation. Contrasts G/F with other forms of social work practice. Reviews skills required to conduct clinical and task groups. Overviews skills needed to work with families. Emphasizes cultural diversity and ethical parameters when offering G/F services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 430 Social Work Practice in Communities and Organizations**

*Prerequisite: admission to the BSW program; and SWK 307 and SWK 314 and SWK 326.*

Problem assessment and practice interventions with macrosystems. Examines strategies and techniques for social work practice with organizations and communities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 470 Community Resources for Older Adults**

*Prerequisite: PSY 121.*

Covers the services, programs and institutions involved in providing services to older adults in the United States, with a focus on community-based services. Typical needs, issues, concerns and desires of older persons are identified and corresponding community-based services to address these needs are discussed. Emerging issues and developments in the field of gerontology will also be discussed as they relate to community services and resources. Site visits to agencies and organizations serving older adults will enhance students' familiarity with resources to improve the quality of life and well-being of aging members in our society. Identical with GER 470. Cannot receive credit for both SWK 470 and GER 470.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 480 Social Work Integrative Seminar**

*Prerequisite: admission to the BSW program; and SWK 418 and SWK 420 and SWK 430; and concurrent enrollment in SWK 490.*

In conjunction with SWK 490, this course satisfies the Public Affairs Capstone Experience. Examines student experiences, problems, and questions related to the practicum. Integrates theory, knowledge, social work values and skills from previous social work courses to prepare generalist social work practitioners. Failure to pass this course will result in failure to pass SWK 490. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 490 Practicum in Social Work**

*Prerequisite: admission to the BSW program; and SWK 418 and SWK 420 and SWK 430; and concurrent enrollment in SWK 480.*

In conjunction with SWK 480, this course satisfies the Public Affairs Capstone Experience. An educationally directed social work practice experience with individuals, groups, families, communities and organizations in a social service agency. Students are required to complete a minimum of 450 hours. Failure to pass this course will result in failure to pass SWK 480. Supplemental course fee. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 9
**Lecture contact hours:** 0
**Lab contact hours:** 32

**Typically offered:** Spring
Projected offerings

**SWK 496 Directed Readings in Social Work**

*Prerequisite: 6 hours of social work and permission.*

Readings designed to supplement material introduced in previous social work courses. Includes a wide selection from literature in the field. May be repeated to a total of 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SWK 502 Rural Health**

*Prerequisite: junior standing.*

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with NUR 502. Cannot receive credit for both SWK 502 and NUR 502. May be taught concurrently with SWK 602. Cannot receive credit for both SWK 602 and SWK 502.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SWK 543 Non-Profit Management in the Health and Human Services**

*Prerequisite: junior standing and permission of instructor.*

The purpose of this course is to lay a leadership and management foundation for those in social work and the human services professions from the nonprofit/social or public sectors. The history and scope of the U.S. nonprofit sector, as well as contemporary theories of nonprofit enterprise, governance and leadership, ethics, marketing, advocacy techniques, decision-making models and current ideas about possible futures for the sector will be presented. Students will leave the course with a solid understanding of nonprofit /social sector organization, and develop an understanding of his or her management style and philosophy. May be taught concurrently with SWK 643. Cannot receive credit for both SWK 543 and SWK 643.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 544 Family Health and Family Violence**

Enhances students' understanding of the theories, policies, practices, and interventions related to family violence. May be taught concurrently with SWK 641. Cannot receive credit for both SWK 544 and SWK 641.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SWK 558 Tropical Health for International Workers**

This non-clinical course will provide the student with the ability to assess tropical health risks in a remote setting, to take steps to protect the individual and the community from common threats, and to communicate health information to a diverse community in a culturally appropriate and effective manner. The course will be taught at the Yachana ecolodge on the Napo river in Ecuador, providing students with the opportunity to become familiar with the health risks of a remote tropical environment and to interact with the culture of an indigenous population in the setting of a public health program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SWK 595 Grant Writing in the Health and Human Services**

*Prerequisite: junior standing; and permission of instructor.*

This online course offers an interdisciplinary approach to understanding grant writing and how health and human service professionals can collaborate for successful proposal writing. Course will focus on practical skills needed to develop proposals, budgets, and evaluation plans. Attention will be given to preparing a competitive grant proposal. This course will cover the basics of proposals - purpose statements, background and justification, aims or objectives, personnel, time line, methods, budget, and evaluation, and how to effectively manage grants once they are funded. Grant writing is related to health and human services that stress access to and availability of resources. The needs of culturally diverse groups or communities will be discussed in this course, along with the particulars of proposals that may be most effective in meeting such needs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 597 Special Topics**

*Prerequisite: junior standing.*

Selected topic of advanced content in social work, relevant to fields of practice or practice methodologies. May be repeated to a total of 6 hours as topics change. May be taught concurrently with SWK 699. Cannot receive credit for both SWK 699 and SWK 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SWK 598 Ethical Dimensions of Social Work**

*Prerequisite: junior standing.*

Examines the ethical dimensions of social work in the context of ethical issues related to practice; including tensions intrinsic to the mission of social work, and examination of various philosophical frameworks and codes of ethics, analysis of larger systems that create and sanction specific values and ethics, legal issues, and decision-making strategies. May be taught concurrently with SWK 698. Cannot receive credit for both SWK 698 and SWK 598.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SWK 599 Health Literacy in the Human Services**

*Prerequisite: junior standing and permission of instructor.*

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect interactions with health and human services professionals. Includes an examination of the data for national and international literacy levels and populations at risk for low literacy; research on health literacy; assessment tools; and practical techniques for addressing literacy issues in spoken and written communications at the practitioner and organizational levels. Identical with BMS 599. Cannot receive credit for both SWK 599 and BMS 599. May be taught concurrently with SWK 696. Cannot receive credit for both SWK 599/696 and BMS 599.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 602 Rural Health**

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with NUR 502. Cannot receive credit for both SWK 502 and NUR 502. May be taught concurrently with SWK 502. Cannot receive credit for both SWK 502 and SWK 602.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SWK 641 Family Health and Family Violence**

Enhances students' understanding of the theories, policies, practices, and interventions related to family violence. May be taught concurrently with SWK 544. Cannot receive credit for both SWK 641 and SWK 544.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SWK 643 Non-Profit Management in the Health and Human Services**

The purpose of this course is to lay a leadership and management foundation for those in social work and the human services professions from the nonprofit/social or public sectors. The history and scope of the U.S. nonprofit sector, as well as contemporary theories of nonprofit enterprise, governance and leadership, ethics, marketing, advocacy techniques, decision-making models and current ideas about possible futures for the sector will be presented. Students will leave the course with a solid understanding of nonprofit /social sector organization, and develop an understanding of his or her management style and philosophy. May be taught concurrently with SWK 543. Cannot receive credit for both SWK 643 and SWK 543.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 695 Forensics Social Work**

*Prerequisite: permission of instructor.*

This course teaches social workers to work in legal settings (e.g., criminal court, civil court, juvenile court, family court, prisons, jails). A broad range of topics is discussed that give students exposure to various types of forensic social work. This course is designed to assist students in preparing for various practice settings where social work and the law intersect.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SWK 696 Health Literacy in the Human Services**

*Prerequisite: permission of instructor.*

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect interactions with health and human services professionals. Includes an examination of the data for national and international literacy levels and populations at risk for low literacy; research on health literacy; assessment tools; and practical techniques for addressing literacy issues in spoken and written communications at the practitioner and organizational levels. May be taught concurrently with SWK 696. Cannot receive credit for both SWK 696 and SWK 599.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 698 Ethical Dimensions of Social Work**

Examines the ethical dimensions of social work in the context of ethical issues related to practice; including tensions intrinsic to the mission of social work, and examination of various philosophical frameworks and codes of ethics, analysis of larger systems that create and sanction specific values and ethics, legal issues, and decision-making strategies. May be taught concurrently with SWK 598. Cannot receive credit for both SWK 598 and SWK 698.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SWK 699 Special Topics**

Selected topic of advanced content in social work, relevant to fields of practice or practice methodologies. May be repeated to a total of 6 hours as topics change. May be taught concurrently with SWK 597. Cannot receive credit for both SWK 597 and SWK 699.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SWK 705 Human Behavior and Social Environment**

*Prerequisite: admission to MSW program.*

Content on life span development and the influence of various systems on the individual.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 710 Foundations in Social Work Practice with Individuals**

*Prerequisite: admission to MSW program.*

Within a generalist framework, course provides an ethically-based, theory-driven, culturally competent approach to delivering professional social work services to individuals with varied issues and practice settings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 715 Social Welfare Policy and Services**

*Prerequisite: admission to MSW program or permission.*

Covers the historical development, philosophical orientation, and analysis of social welfare policy and services in the United States. Examines social welfare policy in multiple areas.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 725 Foundations in Social Work Practice with Families and Groups**

*Prerequisite: admission to MSW program.*

Within a generalist framework, this course focuses on basic skills and concepts related to social work practice with groups and families. Topics include the basic skills required to facilitate group process and tasks, contrast between non-kin groups and family sessions, and strategies for working with families.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 726 Foundations in Social Work Practice with Communities and Organizations**

*Prerequisite: admission to MSW program.*

Uses social work methods to focus on the dynamics associated with organizational and community generalist practice. This course provides a knowledge base (i.e., theory, research, and practice wisdom), values, and practice skills for the generalist social work profession. Concentration will be on social work practice occurring with organizations and communities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 730 Perspectives in Human Diversity and Societal Systems**

*Prerequisite: admission to the MSW program or permission of department.*

Theoretical perspectives and research findings on various populations at risk and the role of societal institutions in perpetuating social and economic injustice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 740 Social Work Field Practicum I**

*Prerequisite: admission to MSW program; and completion of, or concurrent enrollment with, all other foundation courses.*

Supervised social work experience in a social agency in the community with accompanying field instructional seminar. Seminar enhances student's integration of coursework learning practice and skills; examines student experiences in field agency. Students must complete 450 hours in placement; practicum liability insurance fee required. Supplemental course fee.

**Credit hours:** 3-10
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**SWK 742 Family Health and Substance Abuse**

This course provides an opportunity for the students to understand the problems of alcohol and drug use and dependence, and their impact on family health.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SWK 743 Management and Program Development in Human Service**

Develop knowledge and skills for effective supervisors and administrators in human service organizations. Students will also learn grant proposal writing and develop an understanding of their management style and philosophy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SWK 746 Foundations in Social Work Research**

*Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework; or permission of department.*

Teaches foundational knowledge and skills in key social work research methods; reviews research concepts and tools most frequently encountered by the family-focused social work practitioner.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SWK 750 Human Behavior and Family Systems**

*Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework.*

Examines the family within an ecosystemic context and provides key perspectives related to family development and how individual family member development affects and is affected by the family system. Also provides key foundations in Family Health Social Work Practice.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**SWK 754 Perspectives on Individual and Family Health Assessment**

*Prerequisite: SWK 750; and admission to MSW program.*

Advanced topics related to individual and family-based assessment systems and tools. Provides basic awareness of when to use various individually-focused assessment (e.g., DSM-IV) and family focused assessment (e.g., FAD).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 755 Family Health Social Work Practice I**

*Prerequisite: SWK 750; and admission to MSW program.*

Key theories and skills related to advanced social work practice with couples and families. Incorporates role-plays and/or class exercises to practice key family interaction skills.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 756 Family Health Social Work Practice II**

*Prerequisite: SWK 754 and SWK 755; and admission to MSW program.*

Advanced assessment and family-centered practice interventions related to the family health perspective. Discusses problem identification and intervention for family-focused practice issues; also advanced practice theory integration and application.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SWK 760 Family Health Policy**

*Prerequisite: SWK 750; and admission to MSW program.*

Assists students in understanding how policies affecting family health are designed. Provides an analysis of the family health care delivery systems in the United States and other countries.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SWK 780 Social Work Field Practicum II**

*Prerequisite: admission to MSW program; and field coordinator approval; and completion of, or concurrent enrollment in, all other concentration courses.*

Supervised social work experience in a social service agency in the community with accompanying field instructional seminar. Seminar enhances student's integration of coursework learning and practice skills; examines student experiences in field agency. Students must complete 525 hours in placement; practicum liability insurance fee required. Supplemental course fee.

**Credit hours:** 3-10
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**SWK 797 Applications in Social Work Research**

*Prerequisite: SWK 746; and admission to MSW program.*

Teaches advanced knowledge and skills in key social work research methods; reviews key research applications in social work practice settings, including evaluation of practice and program evaluation. Integration between research projects and student's professional interests in the field are encouraged.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

MAKE YOUR MISSOURI STATEMENT™

# Social Work

## Major(s)

## Social Work (Comprehensive)

Bachelor of Social Work

### Program description

The undergraduate Social Work Program at Missouri State University builds upon a liberal arts education while preparing students for the practice of Social Work, with an emphasis on the strengths perspective. Social Work is a comprehensive major consisting of 48 hours of required Social Work courses (which includes a 12-hour practicum); 22 hours of required courses from the humanities and the social, behavioral, and biological sciences; and 6 hours of electives offered by the School of Social Work (SWK electives). Students who successfully complete general education, all general baccalaureate requirements and major requirements are awarded a Bachelor of Social Work degree.

Prospective students must contact the Coordinator of the BSW Program to obtain information on how to be admitted into the program and be assigned an advisor. Accepted students are expected to consult with their advisor at least once a semester.

This program is accredited by the Council on Social Work Education. Additional information regarding the BSW Program may be found in the *BSW Student Handbook* available from the School of Social Work.

### Eligibility to apply

Once accepted to MSU, students are eligible to apply for admission into the BSW Program when the following conditions are met:

A. Completion of a minimum of 45 hours with a combined GPA (Missouri State and transfer combined) of 2.50 or higher on a 4-point scale

B. Completion or concurrent enrollment in the Foundations Courses for General Education except the second writing course

C. Completion or concurrent enrollment in SWK 200(3), SWK 213(3), and SWK 219(3) with a minimum grade of "C". Candidates whose application is reviewed positively will not have

admission to the Program until grades of "C" or better are recorded for these courses at the close of the application semester.

## Admission to the Bachelor of Social Work Program

Students seeking admission to the BSW Program do so with the understanding that: (a) admission is competitive and selective and not all who apply can be accommodated; and (b) meeting the minimum standards does not guarantee a student will be admitted. The BSW committee will make a decision to admit based on a holistic picture of the completed course work and values that are consistent with the conduct of the profession and the Social Work Code of Ethics.

Students who are planning to pursue a BSW degree must complete the following steps:

1. Declare a major in the Social Work Program within the University which places the student in pre-admit status.

2. When a student is eligible to apply for admitted status, the student must submit a formal application, with accompanying forms, to the School of Social Work office. Directions for completing the packets will be included within the application packet. Applications for admission to the Program will be available online. Refer to the application packet for specific due dates because the dates can vary. Applications submitted after the deadline will not be considered. Incomplete applications may result in not being considered.

3. Students will be notified, prior to registration, if they are admitted into the BSW Program. If the student is not admitted, the student will be responsible for meeting with his/her advisor to transition into another major.

## Program requirements

A. General Education Program and Requirements

B. Major Requirements

   1. Recommended Course: SWK 300(1)

   2. Specific Course Requirements (other than Social Work courses): BIO 101(3) and 111(1), or BMS 100(4), or BMS 110(3) and 111(1); ECO 155(3) or 165(3); PLS 101(3); PSY 121(3); SOC 150(3), PSY 304(3); and PSY 200(3) or SOC 302(3) or AGR 330(3) or MTH 340(3) or QBA 237(3) or REC 328(3)

   3. SWK 200(3), 213(3), 219(3), 306(3), 307(3), 313(3), 314(3), 325(3), 326(3), 418(3), 420(3), 430(3), 480(3), 490(9)

4. Two SWK electives (6 hours)

5. Public Affairs Capstone Experience will be fulfilled by completion of SWK 480(3) and 490(9).

C. General Baccalaureate Degree Requirements

## Retention, progression, and graduation policies

After admission into the BSW Program, students must achieve the following for retention in the major.

1. Maintain a combined GPA (Missouri State and transfer combined) of 2.50 or higher. If a student drops below a GPA of 2.50, the student will be withdrawn from the program at the end of the semester.

2. Achieve a grade of "C" or better in all Social Work courses, which are courses with "SWK" prefix.

3. Earning a "D" grade or below in a Social Work (SWK) course will result in the inability to be admitted into the program. If a student is formally accepted in the program and earns a "D" grade in a Social Work (SWK) course, the student must retake the course before progressing. If a student is formally accepted in the program and earns an "F" grade in a Social Work (SWK) course, s/he will be dismissed from the program at the end of the semester and will need to reapply.

4. Courses in the Social Work major may not be taken more than twice.

5. A student must earn a "Pass" grade in SWK 490(9). A grade below a "C" in SWK 480(3) and/or a "Not Pass" grade in SWK 490(9) means the student must reapply for admission and be readmitted to the BSW Program.

6. Students are encouraged to meet with their advisor in the School of Social Work prior to or upon entering the University and at least once a semester to ensure the proper selection and sequencing of prerequisites for the BSW Program.

7. Students must demonstrate acceptable levels of maturity, integrity, behaviors and attitudes as defined by the National Association of Social Work (NASW).

# Department of Sports Medicine and Athletic Training

## Programs

### Undergraduate

Athletic Training, Bachelor of (BSAT)

Sports Medicine (Minor)

### Graduate

Athletic Training (MS)

Occupational Therapy, Master of (MOT)

## Accreditation

Commission on Accreditation of Athletic Training Education – Athletic Training (BSAT)

## Contact

**Department head**

Tona Hetzler, EdD

**Office**

Professional Building, Room 160

**Phone**

417-836-8553

**Fax**

417-836-8554

**Email**

SportsMedicine@missouristate.edu

**Website**

sportsmed.missouristate.edu

# Sports Medicine and Athletic Training Faculty

## Associate professors

Tona M. Hetzler, EdD

Michael B. Hudson, PhD

## Associate professor

W. David Carr, PhD

## Clinical associate professor

Allan J. Liggett, MEEd

## Clinical instructor

Kristin A. Tivener, MS

## Emeritus faculty

Gary L. Ward, MS

## ATEP co-medical directors

Bernard A. Griesemer, MD

Brian J. Mahaffey, MD

Richard A. Seagrave, MD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Sports Medicine and Athletic Training Courses

## Athletic Training (ATC) courses

**ATC 220 Introduction to Athletic Training**

This course will cover various aspects of athletic training and related sports medicine professions and the Athletic Training program at Missouri State. Students will have the opportunity to explore the AT profession by completing 10 clinical observation hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ATC 221 Clinical Skills in Athletic Training**

*Prerequisite: ATC 220 or concurrent enrollment; and permission of program director.*

Students are introduced to many of the emergency management and clinical skills required by athletic trainers and other allied health care professionals in a variety of clinical settings. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring, Summer
Projected offerings

**ATC 222 Athletic Injuries**

*Prerequisite: BMS 307 or KIN 250.*

Techniques, principles and theory underlying prevention and care of athletic injuries. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 1

**Typically offered:** Fall, Spring
Projected offerings

**ATC 224 Basic Athletic Training/Sports Medicine Techniques**

*Prerequisite: ATC 221 and BMS 307 (or concurrent enrollment with permission of program director).*

Procedures, techniques, principles and theory relative to development of essential cognitive and psychomotor competencies commonly used in athletic training. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**ATC 225 Athletic Training Observation**

*Prerequisite: ATC 220.*

Clinical observation (50 hours) and experience for students considering a career in Athletic Training or related sports medicine field. Students will explore various athletic training employment settings and learn basic skills

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**ATC 240 Clinical Practicum I**

*Prerequisite: ATC 221 and permission of program director.*

Supervised clinical experiences in athletic training. Emphasis on developing clinical skills required by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**ATC 241 Clinical Practicum II**

*Prerequisite: ATC 221 and ATC 240 and permission of program director.*

Continuation of supervised clinical experiences in athletic training. Emphasis on developing and refining clinical skills required by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 297 Special Topics**

*Prerequisite: permission of program director.*

Variable content and variable credit course. Special study of Sports Medicine and Athletic Training. May be repeated for credit to a maximum of 4 hours. Same topic may be repeated once for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ATC 320 Athletic Training Administration**

*Prerequisite: at least 75 hours towards Athletic Training major completed or at least 15 hours towards Sports Medicine minor completed; and permission of program director.*

Development and administration of current theories, methods and techniques related to the organization and administration of athletic training programs. Integration of leadership behaviors into the practice and management of athletic training practice areas such as program management, budget, insurance, facility design, legal issues, global issues, and ethics in the profession of athletic training will be discussed. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ATC 324 Therapeutic Modalities**

*Prerequisite: BMS 308 and permission of program director.*

A study of the theory and application of various therapeutic modalities used in the treatment of many injuries, including ultrasound, diathermy, electrical stimulation, hydrotherapy, cryotherapy, and thermotherapy. Supplemental course fee. May be taught concurrently with OTE 624. Cannot receive credit for both ATC 324 and OTE 624.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 326 Therapeutic Interventions in Athletic Training**

*Prerequisite: ATC 222 or ATC 224; and BMS 308 and PSY 121.*

Theoretical and practical synthesis of area often requiring instruction on the part of an athletic trainer to enhance performance opportunities for athletes and other areas of physical activity. Emphasis on subject matter and skills necessary to recognize potential problems, help in understanding the interventions, and develop techniques for referral.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ATC 328 Lower Body Assessment**

*Prerequisite: ATC 221; and BMS 307 with grade of "C" or better; and BMS 450.*

Content addresses observation and evaluation techniques for injuries to the lower body. Students must integrate anatomical structures to provide a basis for critical decision making in an injury management environment. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**ATC 329 Upper Body Assessment**

*Prerequisite: ATC 328.*

Content addresses observation and evaluation techniques for injuries to the upper body. Students must integrate anatomical structures to provide a basis for critical decision making in an injury management environment. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 332 Research Methods in Athletic Training**

*Prerequisite: PSY 200; and at least 60 hours completed towards Athletic Training major or 12 hours toward Sports Medicine minor; and permission of program director.*

Interactive study of importance and process of conducting ethical research in athletic training and the healthcare professions. Emphasis placed on research design, ethics, collection of data, and the dissemination of results.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ATC 340 Clinical Practicum III**

*Prerequisite: ATC 241 and permission of program director.*

Continuation of supervised clinical experiences in athletic training. Emphasis on developing clinical decision making skills used by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**ATC 341 Clinical Practicum IV**

*Prerequisite: ATC 340 and permission of program director.*

Continuation of supervised clinical experiences in athletic training. Emphasis is on refining clinical decision making skills used by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 344 Foundations of Rehabilitation**

*Prerequisite: ATC 328 and BMS 450.*

Content addresses basic concepts, foundations and principles of musculoskeletal rehabilitation relating to the body. Orthopedic surgical procedures of the body common in athletic training with a focus primarily on joint and musculoskeletal structures, tissue pathology for each protocol, healing constraints, and implications for rehabilitation will also be presented. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**ATC 354 Clinical Applications of Rehabilitation**

*Prerequisite: ATC 344.*

Applied study of advanced principles of musculoskeletal rehabilitation. Course will focus on clinical decision making as it relates to rehabilitation progression, exercise selection, reconditioning, return to activity and other relative aspects of the rehabilitation process. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**ATC 397 Special Topics**

*Prerequisite: permission of program director.*

Variable content and variable credit course. Special study of Sports Medicine and Athletic Training. May be repeated for credit to a maximum of 4 hours. Same topic may be repeated once for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ATC 420 Medical Aspects of Athletic Training**

*Prerequisite: BMS 308 with grade of "C" or better; and 60 hours; and permission of program director.*

Students are exposed to various medical specialties which contribute to an understanding of comprehensive health care program. Topics stressed include injury and illness prevention, definitive medical treatment, indications for referral, and injury rehabilitation from the perspective of health care specialists in the community.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ATC 425 Contemporary Topics in Athletic Training**

*Prerequisite: at least 75 hours towards Athletic Training major completed or at least 15 hours toward Sports Medicine minor completed; and permission of program director.*

Discussion of current issues and problems facing the athletic training profession. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ATC 440 Clinical Practicum V**

*Prerequisite: ATC 341 and permission of program director.*

Continuation of supervised clinical experiences in athletic training. Emphasis on developing critical thinking skills associated with injury rehabilitation used by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**ATC 441 Clinical Practicum VI**

*Prerequisite: ATC 440 and permission of program director.*

Continuation of supervised clinical experiences in athletic training. Emphasis is on refining critical thinking skills associated with injury assessment, management, and rehabilitation. Students may be required to be in attendance during periods when regular university classes are not in session. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 497 Athletic Training Seminar**

*Prerequisite: ATC 221 and ATC 222; and permission of program director.*

This course offers a concentration in subject matter to improve skill and knowledge in specific areas. Each workshop or seminar will be concerned with a single topic. Number of class hours is determined by length and specificity of workshop/seminar. Thirty clock hours equal one semester hour. May be repeated for a maximum of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ATC 498 Research Projects in Athletic Training**

*Prerequisite: ATC 332 and PSY 200; and permission of program director.*

This course provides an opportunity to enhance research skills within a specific topic area of athletic training. The student would conduct a research project under faculty supervision. May be repeated once for a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ATC 499 Independent Study in Athletic Training**

*Prerequisite: ATC 221 and ATC 222; and permission of program director.*

This course provides opportunities to pursue specific subject areas in Athletic Training. The independent study may be a reading project or a practical application of theories under faculty supervision. May be repeated for a maximum of 3 hours of credit.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ATC 610 Leadership Theory and Issues in Athletic Training**

This course covers an examination and application of leadership and professional theories and the attributes, behaviors, and values necessary for leadership in health professions (specifically to aspects of the practice of athletic training).

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ATC 612 Human Movement**

This course will address the neuromotor coordination and integration of human movement. Concepts of brain mapping, the visual and vestibular systems, movement, and disassociation will be addressed.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**ATC 620 Leadership Concepts in Athletic Training**

This course covers an examination and application of leadership and professional theories and the attributes, behaviors, and values necessary for leadership in health professions (specially to aspects of the practice of athletic training.) The organization and function of professional associations, activities that serve the professional community and service to the public, the AT's role in healthcare delivery systems, outcome measurement, the role of evidence-based practice in the AT profession, cultural competence, and medical legal situations will also be covered.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**ATC 630 Leadership Practicum**

*Prerequisite: ATC 610 and ATC 612.*

An intensive clinical or administrative leadership experience requiring students to apply leadership knowledge and skills to real world issues. The leadership experience must also embrace the MSU public affairs mission and culminate in a meaningful response to an issue within the athletic training profession.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**ATC 632 Manual Therapy Techniques**

Detailed analysis and application of manual therapy techniques for treating musculoskeletal pathologies involving the spine and upper and lower extremities.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 640 Evidence-Based Practice**

Course will analyze the clinical reasoning process used in health care disciplines, examine the different types and levels of clinical evidence and explore the implementation of evidence-based practice skills into the student's health care profession/practice.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ATC 710 Seminar in Athletic Training**

*Prerequisite: permission of instructor.*

Provides a forum for topics germane to the clinical practice settings and transition to professional practice. Topics of interest will cover areas such as performance enhancement principles, diagnostic assessment techniques, surgical procedures, pediatric athletic medicine, clinical education principles, and current professional topics. May be repeated for a maximum of 2 hours.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**ATC 723 Movement Pattern Assessment**

Introduction of fundamental movement patterns of the body and how to assess these movement patterns. Concepts of neuromotor human development and how these relate to the learning/patterning of these fundamental movement patterns.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 732 Applied Research Methods in Health Care**

Research course in which students deepen their understanding and enhance their research abilities in order to contribute to the advancement of their chosen health care discipline. Course will explore topics of research design and research methods for conducting applied and clinical research projects with a focus on conducting outcomes-related research that can support clinical practices in the student's respective health care discipline.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ATC 733 Corrective Exercise Techniques/Movement Pattern Interventions**

This course will cover the corrections of impairments and compensations to the fundamental movement patterns.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**ATC 743 Advanced Therapeutic Interventions**

Advanced concepts and evidence-based principles of rehabilitation programs. Enhancement of previously learned therapeutic exercise techniques and integration of therapeutic modalities and therapeutic exercise, including objective and functional goal setting and evaluation for appropriate progression and expedited return to activity.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**ATC 797 Non-thesis Project**

*Prerequisite: ATC 732 and permission of project advisor.*

Active participation in the ongoing research and/or clinical activities of athletic training faculty or clinical experience supervisor. Culminates in a presentation of an extensive scholarly paper. Must be repeated for a minimum of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**ATC 798 Special Topics**

*Prerequisite: permission of program director.*

Special study of Sports Medicine and Athletic Training. Variable content course. May be repeated for credit to a maximum of 4 hours. Same topic may be repeated once for credit.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ATC 799 Thesis**

*Prerequisite: ATC 732 and permission of research advisor.*

Demonstration of the capacity for research and independent thought culminating in a thesis. Must be repeated for a minimum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

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# Athletic Training

## Major(s)

### Athletic Training (Comprehensive)

Bachelor of Science in Athletic Training
The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

The admission process for the Athletic Training (AT) Program is separate from the application process for admission to the University. Students do not officially apply for admission into the AT Program until they have met all preadmission criteria (typically takes one year to complete). Admission to the AT Program is competitive and not all who apply can be accommodated. Once admitted into the AT Program, students must maintain retention criteria to remain in and process through the program.

#### Incoming freshmen and current Missouri State students

Incoming freshmen and current Missouri State University students interested in applying for the Athletic Training major are required to complete the AT Program Interest Form. Students are encouraged to initially declare a pre-sports medicine/Athletic Training major or a Sports Medicine minor. Students will make formal application to the Athletic Training major once they have completed the pre-admission requirements for consideration into the Athletic Training program. To complete the Athletic Training major, students must complete the three-year course and clinical sequence after formal admission into the program.

#### Transfer students

Transfer students need to speak to the AT Program Director regarding their admission into the Athletic Training major. It is in the student's best interest to discuss their options with the Program Director at least one semester prior to transferring into the program. Transfer students are required to complete the AT Program Interest Form.

#### Preadmission requirements (a.k.a., First-Year Experience)

Before a student can be considered for the Athletic Training major, the following application requirements must be met:

A. Admission to Missouri State University and/or student in good academic standing at MSU

B. Successful completion of the following courses: ATC 220(1) and ATC 221(2) ("B" or better); ATC 225(1) ("B" or better); BMS 110(3) and BMS 111(1) or BIO 121(4) ("C" or better); CHM 116(4) and 117(1) or both CHM 160(4) and CHM 161 ("C" or better is required for each course in both course combinations; only the CHM 116(4) and CHM 117(1) combination will satisfy general education requirements); and BMS 307 ("C" or better). If offered, a student can take one or more of these courses in the summer session prior to the fall semester they are applying and still be considered for admission to the major (as program spots allow). Preferred courses: GEP 101/UHC110, COM 115, ENG 110, MTH 135 or a higher numbered mathematics course listed in the Quantitative Literacy requirement of general education.

C. Observational hours with a program approved allied health care professional

D. AT Program Application - completed during spring semester of the first-year experience.

## Selection, progression and retention requirements

A. Selection Process for the Athletic Training major:

1. The number of students selected for formal admission to the major each year is limited by the number of students that meet all criteria and the number of clinical placement sites available to the AT Program. Typically up to 20-25 clinical placements are available each year for newly admitted students.

2. The selection process begins at the end of each spring semester and is finalized during the summer. Consideration will be given to students who are completing preadmission coursework during the summer academic term. Students attempting courses for the first time in the summer due to scheduling issues in the previous fall or spring are given priority over students that are retaking preadmission required courses. Students selected for formal admission into the major will be contacted by the program director.

3. Requirements for formal admission into the major include the following:

    a. Complete all preadmission required coursework with the necessary grades and grade point averages indicated

    b. Complete the program's application form

    c. Schedule and complete an interview with the AT Program faculty

4. Applicants not formally admitted may reapply the following year. All applicants who reapply must meet all requirements in effect at the time of application. Students are

encouraged to contact the department for current admission requirements.

5. All students selected for formal admission must provide evidence of being able to meet the technical standards of the program with or without reasonable accommodations. The technical standards for the program are included in the application material.

6. Upon notification of formal admission into the Athletic Training major, students will be required to initiate and pay for any security checks and drug screenings required for clinical agencies. All admitted students must complete a criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMo or other disqualifications that would prohibit licensure as an athletic trainer prior to being allowed to begin any clinical rotations.

7. All students are expected to provide their own transportation to clinical sites.

8. All students will be required to purchase student professional liability insurance.

9. Students may incur additional cost associated with the program — these costs will be published on the department website and/or in the program handbook.

B. Progression and Retention Requirements:

1. After students are selected into the Athletic Training major, retention in the program will be based on the following criteria:
    a. Completion of clinical experience
    b. Maintain a major coursework GPA of 3.00 on all ATC courses
    c. A cumulative University GPA of 2.80 or higher
2. Students who fail to meet all of the retention requirements may be placed on probation in the Athletic Training major for one semester. If standards are not met by the end of the probationary period, the student may be dismissed from the major. Students who receive a grade of "D" or "F" in an ATC course must repeat that course and receive a grade of "C" or higher to progress in the program and remain in the major. Students who do not meet the retention criteria for required didactic and/or clinical work may follow the program appeal process. Failure to follow the appeal process may result in dismissal from the program.

## Athletic Training program requirements

Students selected for the program must complete all required coursework and clinical requirements. Those requirements include the following:

A. General Education Program and Requirements
Specific General Education Requirements:

1. BIO 121(4) or BMS 110(3) and BMS 111(1)
2. CHM 116(4) and 117(1) or both CHM 160(4) and CHM 161 (only the CHM 116(4) and CHM 117(1) combination will satisfy general education requirements)
3. MTH 135 or a higher numbered mathematics course listed in the Quantitative Literacy requirement of general education
4. PSY 121(3)

B. Major Requirements

1. Related Requirements: BMS 240(3), 307(4), 308(4), 430(3), 450(3), 567(4); PSY 200(3)
2. Athletic Training Requirements: ATC 220(1), 221(2), 224(4), 225(1), 240(2), 241(2), 320(3), 324(4), 326(3), 328(4), 329(4), 332(2), 340(2), 341(2), 344(4), 354(4), 420(3), 425(2), 440(2), 441(2)
3. Upon acceptance into the major, students will be required to fulfill six (6) semesters of clinical experiences. Students must receive a satisfactory clinical evaluation score for each experience. All students will be required to complete the following clinical experiences:
    a. One fall pre-season experience
    b. One fall season of interscholastic or intercollegiate football
    c. At least one (two preferred) semester assigned to University intercollegiate team experiences
    d. At least one (two preferred) semester at an affiliated sports medicine clinic
    e. At least one (two preferred) semester at an affiliated high school
    f. Two semesters of integrated interprofessional health care experiences
4. Public Affairs Capstone Experience will be fulfilled by completion of ATC 320(3).

C. General Baccalaureate Degree Requirements

D. The AT Program faculty will retain the right to consider mitigating circumstances relative to all program requirements (admissions, retention, course prerequisites, etc.) and may alter one or more of these requirements for admission and program progression. Should a student's academic sequence be interrupted for any reason, that individual must meet with the AT Program faculty to determine the course of action. This decision will be on an individual basis, taking the situation and circumstances into consideration.

# Sports Medicine

## Minor(s)

### Sports Medicine

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

A. Complete the following courses (5-7 hours): ATC 220(1), 221(2); ATC 222(2) or 224(4)

B. Complete additional courses from the following to bring total hours in the minor to at least 18 hours: ATC 320(3), 326(3), 328(4), 329(4), 332(2), 344(4), 354(4), 420(3), 425(2)

# College of Humanities and Public Affairs

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

African and African American Studies (Minor)

Anthropology (BA, BS, Minor)+

Asian Studies (Minor)

Concentrated Officer Development and Education Program (Certificates)

Conservation Law Enforcement (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Biology

Criminology (BA, BS, Minor)+

Diversity Studies (Minor)

Disabilities Studies (Minor)

Economics (BA, BS, Minor)

Ethics and Social Policy (Minor)

Fire Administration (Certificate, Minor)

Gender Studies (Minor)

History (BA, BS, Minor)+

History Education (BSEd)+

International Relations (Minor)

Latin American, Caribbean, and Hispanic Studies (Minor)

Law and Society, The (Minor)

Linguistics (Minor)
Interdisciplinary program offered by Department of Sociology and Anthropology and College of Arts and Letters

Middle Eastern Studies (Minor)

Military Science (Minor)

Native American Studies (Minor)

Ozarks Studies (Minor)

Philosophy (BA, BS, Minor)

Political Science (BA, BS, Minor)+

Public Administration (Minor)

Public Law (Minor)

Religious Studies (BA, BS, Minor)+

Sociology (BA, BS, Minor)

## Graduate

Applied Anthropology (MS)

Community Corrections (Certificate)

Countering Weapons of Mass Destruction (CWMD) (Certificate)

Criminology and Criminal Justice (MS)

Cultural Resource Management Archaeology (Certificate)

Defense and Strategic Studies (MS)

Defense and Strategic Studies (Certificate)

Global Studies, Master of (MGS)

History (MA)

History for Teachers (Certificate)

Homeland Security and Defense (Certificate)

Public Administration, Master of (MPA)

Public Management (Certificate)

Religious Studies (MA)

Secondary Education with options in History (MSEd)

Secondary Education with options in Social Sciences (MSEd)

Courses are offered toward the options in Criminal Justice and Homeland Security within the Professional Studies program (MPS)

## Centers for Research and Service

### Bureau of Economic Research

The Bureau, housed within the Economics Department, serves as a clearinghouse for data and publications on economic conditions within the region, state, and nation. the staff has a wide variety of experience and is able to provide consulting services, produce detailed GIS maps, economic and industry forecasts, and other relevant reports on a per fee basis.

### The Bernice S. Warren Center for Archaeological Research

The Center is a research institute that conducts archaeological field work and other cultural resource management projects on a

## Contact

**Dean**

Victor H. Matthews, PhD

**Associate dean**

Pamela R. Sailors, PhD

**Office**

Strong Hall, Room 251

**Phone**

417-836-5529

contractual basis. It primarily serves municipal, state, and federal government agencies.The center also offers hands-on experience for students interested in careers in archaeology and is active in local archaeological and preservation societies.

## Center for Social Sciences and Public Policy Research

The Center is an interdisciplinary center where faculty and students conduct both applied and theoretical research in the social sciences and humanities. The Center conducts research sponsored by public and private organizations on a variety of issues of local, state, and national concern. The Center's research efforts foster an understanding of what constitutes effective public policy and how it is created.

**Fax**

417-836-8472

**Email**

chpa@missouristate.edu

**Website**

www.missouristate.edu/chpa/

# Area Studies Programs

## Programs

### Undergraduate

African and African American Studies (Minor)

Asian Studies (Minor)

Disability Studies (Minor)

Diversity Studies (Minor)

Gender Studies (Minor)

Latin American, Caribbean, and Hispanic Studies (Minor)

Law and Society, The (Minor)

Middle Eastern Studies (Minor)

Native American Studies (Minor)

Ozarks Studies (Minor)

## General information

A variety of interdisciplinary programs and courses are offered outside of the standard academic departments. Each program is governed by a faculty committee that is responsible for course and program content.

Courses are offered in African American Studies, Disability Studies, Gender Studies and Ozarks Studies.

## Contact

**Administrator**

Pamela R. Sailors, PhD

**Office**

Strong Hall, Room 207

**Phone**

417-836-5529

**Fax**

417-836-8472

**Email**

chpa@missouristate.edu

**Website**

www.missouristate.edu/areastudies

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Area Studies Programs Courses

## African American Studies (AAS) courses

**AAS 100 Introduction to African American Studies**

*General Education Course (Focus on Humanities).*

The course provides a multidisciplinary introduction of the many dimensions of the African American experience, including the African heritage and diaspora, slavery and freedom, African American artistic and literary expression, and the problem of racism in American society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AAS 397 Topics in African American Studies**

*Prerequisite: permission.*

Topics of general interest in the area of African American Studies. Examples: African Independence, Negritude, Harlem Renaissance, 1960s Civil Rights Movement, the Black Panther Party, Nation of Islam in the U.S., Afrocentricism, and African/African American Destiny. May be repeated, as topics change, to a maximum of 6 hours. Variable Content Course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AAS 497 Directed Reading**

*Prerequisite: permission.*

Analysis of various topics in African American Studies not covered in regular courses. May be repeated for a maximum of 6 hours, provided that the topic is different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Disability Studies (DAS) courses

**DAS 100 Introduction to Disability Studies**

This course provides a multidisciplinary introduction to the many dimensions of Disability Studies, including the history, social, cultural, political, legal, and economic perspectives on disability in American society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DAS 397 Topics in Disability Studies**

*Prerequisite: DAS 100 and permission.*

Topics of general interest in the area of Disability Studies. Examples: disability cultures, disability rights movement, deaf culture, disability and the law. Variable content course. May be repeated as topics change to a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**DAS 497 Directed Readings**

*Prerequisite: permission.*

Analysis of various topics in Disability Studies not covered in regular courses. May be repeated for a maximum of 6 hours, provided that the topic is different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Gender Studies (GST) courses

**GST 170 Sex, Gender, and Self**

An introduction to Gender Studies that explores the influence that ideas about sex, gender, and gender roles have on women and men, both as individuals and as social beings. Using new research on gender in many disciplines, it examines representations of male and female experiences, and historical and social constructions of women's and men's roles.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GST 315 The Economics of Gender**

*Prerequisite: ECO 165.*

This course teaches students to analyze the economic decisions made by both males and females in two main areas: the labor market and the household. Specific areas of inquiry include the following: the family as an economic unit, gender differences in labor force participation, occupational gender segregation, explanations for gender earnings differentials and efforts to reduce such differentials, gender earnings discrimination, and international gender issues. Identical with ECO 315. Cannot receive credit for both GST 315 and ECO 315.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GST 326 Feminist Theories of Social Order**

*Prerequisite: SOC 150 or GST 170.*

This course offers an introductory survey of feminist theories within a sociological framework. Students will read and discuss significant classical and contemporary feminist writings on how social life is organized, maintained or changed. The feminist literature has led to the emergence of diverse theoretical frameworks analyzing historical and contemporary, macro and micro, public and private, local and global issues and concerns. The feminist paradigm, like many other paradigms, is inclusive of many disciplines. The sociological writings within this paradigm provide a wealth of materials on alternative views of social organization, order and conflict. Identical with SOC 326. Cannot receive credit for both GST 326 and SOC 326.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GST 400 Gender in Global Community**

*Prerequisite: SOC 150 or GST 170.*

This course will explore the effects of an integrated global community on gender; how global trends are gender-based in terms of labor market participation, resource allocation, family regulations, health care, crime, war and regional politics. Students will discuss how events and policies in one part of the globe affect gender relations in another region. May be taught concurrently with SOC 600. Cannot receive credit for both GST 400 and SOC 600.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GST 497 Special Topics in Gender Studies**

*Prerequisite: permission.*

In-depth inquiry into selected topics of Gender Studies. May be repeated to a maximum of 6 hours if the topic is different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

## Ozarks Studies (OZK) courses

**OZK 150 Introduction to Ozarks Studies**

This course provides a multidisciplinary introduction to the study of the Ozarks region and its inhabitants, including Ozarks history and geography, regional folk culture and traditions, and current issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**OZK 300 Topics in Ozarks Studies**

In-depth inquiry into topics in Ozarks Studies. May be repeated to a maximum of six hours if the topic is different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# African and African American Studies

## Minor(s)

### African and African American Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

#### Administration of the program

Courses must be approved by the faculty of the African and African American Studies Committee for inclusion in the minor.

The minor includes AAS 100, plus at least 15 hours of additional course work for a total of at least 18 hours with a minimum grade point average of 2.50 in all courses counted toward the minor. It is recommended that AAS 100 be taken prior to undertaking all other courses included as options in the African and African American Studies minor.

A student cannot take more than six hours in a particular discipline to complete the minor; exceptions must have the permission of the Administrator. A student can petition to apply a variable content/special topics course to the minor, with the approval of the Administrator. Such variable content/special topics courses might include: AAS 397, 497; ANT 330; or REL 397.

A. Complete AAS 100(3)

B. Complete 15 hours from the following areas with at least three hours from each area:

    1. Historical Foundations: HST 331(3), HST 332(3), HST 338(3)

2. Pan-African Background and Perspectives: ANT 330(3)*, ANT 331(3), ANT 332(3), ANT 490(3)*, ENG 363(3), GRY 507(3), HST 323(3), HST 335(3), HST 339(3), PLS 550(3)

3. Arts and Humanities: ART 273(3), ART 488(3)*, ENG 355(3), ENG 455(3), REL 365(3)

4. Politics and Society: CRM 415(3), HST 334(3), HST 531(3), REL 345(3), SOC 336(3), SWK 219(3)

   *when applicable

C. Attain a minimum GPA of 2.50 in all courses counted toward the minor.

# Asian Studies

## Minor(s)

## Asian Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

### Administration of the program

Courses must be approved by the faculty of the Asian Studies Committee for inclusion in the minor.

A. Six hours of an Asian language, the University currently offers Chinese (CHI 101, 102, 201, 202), Japanese (JPN 101, 102, 201, 202), and Korean (KOR 101, 102, 201, 202)

B. Complete 12 hours from the following areas, with no more than six hours from any one category:

   1. ANT 334(3), HST 380(3), HST 381(3), HST 571(3)

   2. PHI 314(3), REL 355(3), REL 357(3), REL 360(3)

   3. ART 274(3), ART 374(3), ENG 362(3)*, LLT 215(3), MED 300(1)*

   4. ECO 345(3), GRY 305(3)*, PLS 545(3)

      *when applicable

# Disability Studies

## Minor(s)

## Disability Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

### Administration of the program

Courses must be approved by the faculty of the Disability Studies Committee for inclusion in the minor.

The minor includes DAS 100, plus at least 15 hours of additional course work for a total of at least 18 hours with a minimum grade point average of 2.50 in all courses counted toward the minor. It is recommended that DAS 100 be taken prior to undertaking all other courses in the minor.

A student cannot take more than six hours in a particular discipline to complete the minor; exceptions must have the permission of the Administrator. A student can petition to apply a variable content/special topics course to the minor, with the approval of the Administrator. Such variable content/special topics courses might include: ANT 330(1-3), HST 397(1-3) or HST 597(1-3), or REL 397(1-3).

A. DAS 100(3) required; DAS 397(1-3) repeatable to 6 hours and DAS 497(1-3) repeatable to 6 hours. Must take an additional 3 hours and may take up to 9 hours total including DAS 100 with no more than 6 hours total from either DAS 397 or DAS 497 courses.

B. Complete 9-12 hours from the following areas with at least 3 hours from 3 of the 4 areas with no more than 6 hours from each discipline (course code):

1. Arts and Letters: ART 366(3), ART 401(3), COM 360(3), COM 507(3), ENG 287(3)*, ENG 563(3), THE 506(3), THE 515(3)

2. Humanities and Public Affairs: ANT 365(3), SOC 420(3)

3. Health and Human Services and Natural and Applied Sciences: CSD 330(3), CSD 331(3), CSD 380(3); GER 320 or PSY 354(3); KIN 130(1), KIN 468(3), PLN 505(3), REC 205(3), SWK 219(3)

4. Business and Education: BUS 307(3), CFD 305(3), CFD 353(3), EDC 345(3), RDG 560(3), SPE 507(3), SPE 560(3)

   *when applicable

C. Attain a minimum GPA of 2.50 in all courses counted toward the minor.

# Diversity Studies

## Minor(s)

### Diversity Studies

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

#### Administration of the program

Courses must be approved by the faculty of the Diversity Studies Committee for inclusion in the minor.

The Diversity Studies minor is an interdisciplinary program of study allowing students to develop a broad understanding of the components of diversity in society, which include race and ethnicity, culture, gender, sexuality, religion, language, social class, and aging and disability. This minor is of relevance to any career that involves diverse populations of people, such as business, industry, education, social welfare, health and medicine.

A. Introduction to Diversity: ANT 100(3) or EDC 345(3) or SWK 219(3)

B. Topical Introductions: Select courses from three of the following six content areas and three different course codes to total nine hours:

    1. Race and Ethnicity: AAS 100(3), ANT 365(3), SOC 336(3)

    2. Culture: ANT 226(3), GBL 250(3), SOC 150(3)

    3. Gender and Sexuality: GST 170(3), PSY 307(3), SOC 337(3)

    4. Religion: REL 100(3), REL 131(3), REL 210(3); REL 390 or SOC 390(3)

    5. Communication: ANT 280(3), COM 360(3)

6. Aging and Disability: DAS 100(3), GER 310(3), PSY 304(3), SOC 375(3)

C. Electives. Select six hours from the following courses.

1. Race and Ethnicity: CRM 415(3), ENG 354(3), ENG 355(3), HST 331(3), HST 332(3)
2. Culture: ANT 325(3), ANT 525(3), BMS 332(3), CFD 305(3), ECO 346(3), ECO 456(3), ENG 362(3), MGT 447(3), MKT 474(3), PSY 411(3), SOC 420(3)
3. Gender and Sexuality: CRM 410(3), ENG 282(3), ENG 580(3); ECO 315 or GST 315(3); KIN 405(3), PHI 319(3), PLS 319(3)
4. Religion: ANT 301(3), REL 315(3), REL 345(3), REL 370(3)
5. Communication: COM 307(3), COM 390(3), COM 507(3), COM 512(3), ENG 494(3), ENG 592(3)
6. Aging and Disability: BMS 260(3), GER 380(3); GER 470 or SWK 470(3); PSY 354(3)

D. Engaged Learning. An integrated service learning course from the above, or a service learning component of one of the above courses, or a study away course

# Gender Studies

## Minor(s)

## Gender Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

### Administration of the program

Courses must be approved by the faculty of the Gender Studies Committee for inclusion in the minor.

The minor in Gender Studies requires a total of at least 18 hours with a minimum grade point average of 2.50 in all courses counted toward the minor.

A. GST 170(3) or PSY 357(3) or SOC 337(3)

B. Complete 15 hours from the following areas with at least three hours from each area and no more than six hours from each discipline (course prefix):

   1. Arts and Letters: ART 378(3), COM 307(3), ENG 282(3), ENG 580(3)

   2. Humanities and Public Affairs: CRM 410(3); ECO 315(3) or GST 315(3); GST 400(3), HST 323(3), HST 324(3), PHI 319(3), PLS 319(3), PLS 517(3), REL 370(3); SOC 326(3), SOC 337(3)

   3. Health and Human Services: FCS 300(3), GER 320(3), KIN 402(3), KIN 405(3), NUR 327(3), PSY 307(3), PSY 357(3), SWK 320(3)

C. Attain a minimum GPA of 2.50 in all courses counted toward the minor.

# Latin American, Caribbean, and Hispanic Studies

## Minor(s)

### Latin American, Caribbean, and Hispanic Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

#### Administration of the program

Latin America is a fascinating, vibrant region. It is home to some major economies, plentiful natural resources, a vast population and diverse cultures. It is a region of great significance to the United States with regard to economic exchange, immigration, national security and many other issues. The Latin American, Caribbean, and Hispanic Studies Minor seeks to enrich students' knowledge of this important region. It emphasizes critical and interdisciplinary thinking about crucial issues facing the region and helps students develop proficiency in Spanish or Portuguese. Students who earn this minor will acquire skills useful for a variety of careers including, diplomacy, business, translation, health and educational services, and academia.

Permanent courses in the minor program must be approved by the faculty of the Latin American, Caribbean, and Hispanic Studies Committee.

Student can petition to apply to the minor any content-relevant course that has a substantive focus on Latin America, the Caribbean, or Hispanics in the United States, such as Study Away courses or individualized courses.

To fulfill the program, students must:

A. Complete six hours of a Latin American language: Portuguese (PTG 101, 102, 201, 202) or

Spanish (SPN 101, 102, 201, 202)

B. Complete 12 hours from the following areas including at least three hours from at least two of the following areas, and no more than six hours from any one category:

1. Historical Studies: HST 350(3), HST 397(3)*, HST 587(3), HST 588(3)

2. Geography and Politics: GRY 305(3)*, PLS 338(3)*, PLS 548(3)

3. Art, Culture, Religion, and Society: ANT 330(3)*, ANT 331(3), ART 273(3), ART 385(3), ART 485(3), ART 488(3) or MST 488(3), ART 496(3)*, REL 397(3)*, SOC 336(3)

4. Language and Literature: ENG 354(3)*, ENG 362(3)*; PTG 297(3)*, SPN 297(3)*, SPN 314(3), SPN 320(3), SPN 325(3), SPN 326(3), SPN 415(3), SPN 460(3)

   *When applicable. Students must petition to apply this variable content/special topic course to the minor, upon approval of the administrator. A maximum of three hours for each of these variable content/special courses may be used.

# Law and Society, The

## Minor(s)

### Law and Society, The

Bachelor of Arts
Bachelor of Science

#### Administration of the program

Courses must be approved by the faculty of the Law and Society Committee for inclusion in the minor.

The Law and Society Minor is a 21-hour program of study with nine credit hours required in the core and an additional 12 credit hours of designated electives. No more than two courses with the same course prefix will count toward the minor.

A. Core Courses (9 hours): SOC 380(3); PHI 340(3) or PHI 341(3); and PLS 515(3) or 517(3)

B. Complete 12 hours from: AGB 314(3), ECO 435(3), JRN 407(3), LAW 231(3), LAW 537(3), PHI 345(3), PLN 570(3); CRM 210(3) or PSY 320(3)

# Middle Eastern Studies

## Minor(s)

### Middle Eastern Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

#### Administration of the program

Courses must be approved by the faculty of the Middle Eastern Studies Committee for inclusion in the minor.

The Middle Eastern Studies Program provides a minor course of study allowing students to concentrate their efforts in the study of the peoples, cultures, history, geography, languages, and religions of the modern Middle East. With the increased emphasis being placed on International Studies, world markets, and diversity awareness, students will be better prepared for careers in international business, public service, human resources, and graduate studies in history, political science, public administration, and religious studies.

A. Complete 6 hours from: HST 370(3), HST 371(3), PLS 544(3)

B. Complete 12 hours from the following areas, with no more than six hours from any one category:

    1. HST 543(3)

    2. ART 382(3), REL 330(3), REL 350(3), REL 397(3)*

3. ARB 101(3), ARB 102(3), ARB 201(3), ARB 202(3), HBW 101(3), HBW 102(3), HBW 201(3), HBW 202(3), LLT 197(3)*

4. ANT 335(3), GRY 305(3)*, PLS 546(3), SOC 397(3)*

   *when applicable

# Native American Studies

## Minor(s)

### Native American Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

#### Administration of the program

Courses must be approved by the faculty of the Native American Studies Committee for inclusion in the minor.

The Native American Studies Program is an interdisciplinary minor course of study allowing students to concentrate on the history, arts, and cultures of native peoples of the Americas. The minor in Native American Studies offers a multidisciplinary exploration of the history, arts, and cultures of the first Americans, past and present. It can be an excellent complement to many majors, including art, history, and anthropology. The knowledge provided will be valuable if not essential in any career that involves working with Native Americans in business, social services, public administration, or health and medicine. The minor will also stimulate awareness and appreciation of the ethnic and cultural diversity of the United States, which is an increasing concern in the workforce and society today, as well as the importance of cultural heritage.

A. Complete 18 hours from the following courses and from at least three disciplines (course prefix), with no more than nine hours from any one discipline: ANT 325(3), ANT 330(3)*, ANT 351(3)*, ANT 360(3), ANT 490(3)*, ANT 525(3), ANT 598(3), ART 273(3), ART 385(3), ART 485(3), ART 496(3)*, ENG 354(3)*, GRY 305(3)*, GRY 597(3)*, HST 397(3)*, HST 509(3), HST 510(3), REL 315(3)

*when applicable

B. Other courses (e.g., special topics, transfer) may be applied with the approval of the Administrator.

# Ozarks Studies

## Minor(s)

## Ozarks Studies

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (non-certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

### Administration of the program

Elective courses must be approved by the faculty of the Ozarks Studies Committee for inclusion in the minor.

The Ozarks Studies Program is an interdisciplinary minor course of study allowing students to concentrate on the geography, history, literature, and cultures of the Ozarks. The minor provides students with an understanding and appreciation of the environment and cultures of the Ozarks region, past and present. It will stimulate awareness of the region's contrasts with and similarities to other American geographical and cultural regions as well as an appreciation for the region's place within the greater United States. This knowledge and experience is valuable in a number of contexts. For students from the Ozarks region, the minor in Ozarks Studies serves as an extended study of personal and regional heritage. For students who will remain in the region for work and careers, the minor offers an invaluable primer for understanding regional heritage, cultures, and the natural environment. For all students the minor provides a solid academic exercise in comparative regional study.

The minor includes OZK 150 and HST 375, plus at least 12 hours of additional coursework for a minimum of 18 hours. It is recommended that OZK 150 be taken prior to other required and elective courses in the minor.

A student can take no more than six hours in a particular discipline to complete the minor; exceptions must have the permission of the Administrator. A student can petition to apply to the minor variable content/special topics courses that focus on the Ozarks, with the approval of the Administration. These include: ANT 397, BIO 597, PLS 497, REL 397, and SOC 397.

A. Required Courses (6 hours): OZK 150(3), HST 375(3)

B. Complete 12 additional hours from: ANT 397(3)*; BIO 564(2), BIO 597(3)*, ENG 385(3), ENG 386(3), GRY 301(3); GRY 310(3) or REC 320(3); OZK 300(3)*, PLS 497(3)*, REL 531(3), SOC 397(3)*

*when applicable

# Department of Criminology and Criminal Justice

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Criminology (BA, BS, Minor)+

Concentrated Officer Development and Education Program (Certificates)

Conservation Law Enforcement (Certificate) Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Biology

### Graduate

Criminology and Criminal Justice (MS)+

Community Corrections (Certificate)

Courses are offered toward the options in Criminal Justice and in Homeland Security within the Professional Studies program (MPS)

Courses are offered toward the certificate in Homeland Security and Defense

## General Information

The criminology program at Missouri State University provides a solid foundation for the study of the nature, causes and control of criminal behavior through academic courses, internship opportunities and community partnerships. The undergraduate criminology program focuses on finding solutions to problems and issues in criminal justice, while the graduate program

## Contact

**Department head**

Brett E. Garland, PhD

**Office**

provides students with the tools for evaluating criminal justice initiatives. Overall, the programs strive to create a healthy balance between academic analysis and technical education needed for a successful career in the field.

Strong Hall, Room 231

**Phone**

417-836-3799

**Fax**

417-836-3200

**Email**

criminology@missouristate.edu

**Website**

criminology.missouristate.edu

# Criminology and Criminal Justice Faculty

## Professors

Brett E. Garland, PhD

Bernard J. McCarthy, PhD

## Associate professors

Patrick R. Gartin, PhD

Aida Y. Hass, PhD

Patti J. Ross Salinas, JD, PhD

## Assistant professors

Ethan Amidon, PhD

Julie M. Baldwin, PhD

John Eassey, PhD

Michael J. Suttmoeller, PhD

## Senior instructors

Ivy Yarckow-Brown, MS

Diane M. Leamy, MS

Paula K. Rector, MS

## Instructor

Caryn E. Saxon, MS

## Emeritus faculty

Michael K. Carlie, PhD

Melodye G. Lehnerer, PhD

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Undergraduate Catalog



# Criminology and Criminal Justice Courses

## Criminology (CRM) courses

**CRM 210 Introduction to the American Criminal Justice System**

*General Education Course (Focus on Public Issues).*

This course provides an overview of the American criminal justice system, and examines its functions, problems, and potential solutions. Students explore citizen rights and responsibilities relevant to the fair and equal distribution of justice and examine how communities can be strengthened to aid crime prevention.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 215 Career Preparation in Criminology and Criminal Justice**

Acquaint students with the types of job opportunities available in the field of criminology and criminal justice including required credentials, career preparation, and the job search process. Opportunities for graduate study, along with the process of applying for more advanced education, also are discussed.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 250 Policing**

This course examines the history, structure and function of law enforcement as a means of addressing behavior which violates the law. Problems faced by law enforcement and solutions to those problems are also discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 260 Criminal Law and the Courts**

This course examines the basic principles, processes, and structures found in adult criminal courts in the United States and Missouri. The course also examines the nature and development of criminal law from the Common Law to its current state nationwide, with an emphasis on current Missouri criminal law.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 270 Institutional and Community-Based Corrections**

A course designed to critically examine the various social control responses to delinquent and criminal behavior. Includes the history, philosophies, and practices of American corrections and an evaluation of the advantages and disadvantages of each societal/correctional response. Problems in the field of corrections and related solutions are also examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 300 Service Learning in Criminology**

*Prerequisite: 30 hours and concurrent registration in a Criminology course designated as service learning offering.*

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public service provider. The community service placement agency and service assignment will vary, dependent on the disciplinary course topic and learning objectives. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 301 Movies, Media and Crime**

This course explores the relationship between various forms of mass media as they impact public attitudes and social policies regarding crime and the justice system. Students will have the opportunity to view major film productions and critically evaluate the depiction of victims, offenders, and the criminal justice system in the media. Solutions to problems created by the media are also discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 302 Reforming America's Prisons**

This course explores the nature of confinement used by the American criminal justice system and includes a study of prisons and jails. Both the humanitarian and rehabilitative conditions of these facilities are reviewed in a critical context with attention paid to ways in which existing problems may be corrected. Prison reform is studied from a system-wide perspective recognizing the role of legislatures, courts, and the public in bringing about effective reform.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 303 Capital Punishment**

Students explore the history of the death penalty as well as its current use in the United States. Methods of execution and their impact upon executioners, death penalty jurors, and the families of both the executed and their victim's family members are analyzed.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 305 Serial Killers**

This course provides education and knowledge about serial killers, highlighting a few of the most notorious serial killers in the United States. Definitions of serial killing, an examination of serial killing typologies, root causes of serial killing, and the patterns of serial killers are examined.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 306 Criminal Profiles: Who Did It?**

This course is designed to introduce students to the major concepts used in the practice of criminal profiling. Students will get an overview of how to identify and analyze crime and offender characteristics and their relationship with criminal motive and behavior.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 307 Life Behind Bars: Got Time?**

This course highlights the dynamics of interaction that take place between inmates and staff in a correctional setting. Students will examine the various deprivations inmates face during incarceration, and their methods for compensation through developing networks of interactions that focus on the illegal trade of goods and services.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 308 To Shoot or Not To Shoot: Ethical Dilemmas in Criminal Justice**

This course examines and nature and meaning of ethical behavior within the context of the criminal justice system. Students will identify the various ethical dilemmas faced by law enforcement, courtroom and correctional practitioners, as well as examine their own views of right and wrong.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 309 Bad Girls: An Introduction to Aggressive and Delinquent Females**

"Bad girls" of society have developed a reputation for their increasingly aggressive behaviors. This course will discuss and investigate the unique characteristics, distinct traits and needs of the female delinquent. Effective approaches for working with this population will also be explored.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 310 Investigating Motive in Hate Crime and Terrorism**

The purpose of this course is to critically examine the motives behind hate crime, domestic terrorism, and foreign terrorism. Course will explore both the various types of motives as well as methods of using our understanding of motive to prevent acts of violence and disruption. Attention will be given to psychological, economic, and social factors which contribute to a hate crime or terrorism mindset.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 312 Legalization of Marijuana**

This course is designed to provide students with an understanding of the history of marijuana laws and to provide an understanding of current state and federal laws regarding marijuana. Students will explore the impact of legalization of marijuana and the impact it has had in states that have legalized marijuana.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 313 Prison Violence and Disorder**

This course examines the nature, extent, and causes of prison violence. It explores the psychological, environmental, cultural, and organizational factors that contribute to various forms of violence and disorder in prisons. Special emphasis is placed on identifying solutions for correctional policy and practice to reduce incidents of assault, riots, and gang disturbances in prisons.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 314 Forensic Science and Cases of Injustice**

With particular emphasis on the study of forensic science (science within the framework of the American legal system), this course evaluates various types of evidence left behind at the crime scene, the technology and protocols used to collect and evaluate each piece of evidence, the weight/value each piece of evidence should be assigned within the investigation, as well as the qualifications and scope (range of expertise) each testifying expert must provide. In addition and through case studies, students will be exposed to problems within the America legal system which can result in the conviction of innocent people.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 315 College Campus Crime**

This course is designed to provide students with an overview of the criminal offenses and victimization on college campuses. Students will explore the extent and types of offenses, offenders, and victims. Students will also become aware of the ways that college campuses prevent and respond to offenses and the challenges faced by crime victims.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 316 Post-Conviction Justice Clinic**

*Prerequisite: CRM 314.*

This course provides hands-on, real world experience to students charged with re-investigating cases of currently incarcerated defendants seeking post-conviction relief and making claims of actual innocence to the Midwest Innocence Project (University of Missouri-Kansas City School of Law). With particular emphasis on the examination of forensic evidence, students will evaluate various aspects of each case, ultimately creating a detailed and science-based report of their findings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 317 Peacemaking Criminology**

Drawing upon critical theories, social justice, and human rights, a peacemaking approach to criminology is focused on crime prevention, power balancing, and reconciliation. This course will provide an introduction to the peacemaking criminology perspective as it is applied in domestic and global justice contexts.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 318 Immigration and Crime**

In this course students will explore the impact of immigration, legal and illegal, on the U.S. crime rate, as well as ways in which our criminal justice system interfaces with, and impacts, immigrants and immigrant communities.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 319 Queer Criminology**

In this course students will explore issues related to LGBTQI individuals and the criminal justice system. Topics include LGBTQI inmates in prisons, the victimization of LGBTQI individuals, perceptions of law enforcement in the LGBTQI community, and domestic violence in same-sex and polyamorous relationships.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 320 Criminological Theory**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

Examines the nature and dimensions of juvenile delinquency and adult criminality. Historical and contemporary theories of crime and delinquency are reviewed as are possible solutions to the forces which may generate delinquent and criminal behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 322 The General Theory of Crime**

This course focuses on one of the most theoretically influential correlates of crime and delinquency, self-control. Self-control, as it is conceptualized within criminology, and its relationship to behavior is examined.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 323 Introduction to Developmental and Life-Course Criminology**

This course provides an overview of the developmental and life-course perspective within criminology. How the factors which influence crime and delinquency change over the course of one's life is explored.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CRM 325 Family Violence**

This course is designed as an introduction to the study of family violence. Students will develop an understanding of the major issues related to child abuse, sibling abuse, intimate partner violence, and elder abuse. Students will be introduced to the criminological literature on family violence. The course will explore the social causes and consequences of family violence, the prevention of family violence, and the criminal justice response to family violence.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 326 Far-Right Terrorism and Violence in America**

This course will introduce and familiarize students with the far-right extremist movement in America. Students will learn about the groups and individuals that are involved in the domestic far-right extremist movement. While most groups and individuals involved in this movement are non-violent, students will learn about not only why some members of this movement participate in violence, but also the types of violent activities in which they participate.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CRM 327 Animal Rights and Environmental Terrorism and Violence in America**

This course will introduce students to the animal rights and environmental extremist movements in America. They will learn about the main groups and individuals involved in this movement. Even though the majority of those involved in this movement at non-violent, this course will explore not only reasons why these groups and individuals may choose to participate in violence, but also the types of violence employed.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**CRM 328 Jihadist Terrorism and Violence in America**

This course will examine the threat that jihadist extremists pose to America. While international groups receive the most attention from scholars, those that operate in America also pose a threat to society. This threat will be examined from both a group and individual perspective. Additionally, the types of violence these groups and individuals employ will also be examined.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 330 Juvenile Justice**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course reviews the topic of juvenile delinquency, with primary focus on a review of the history, extent and significance of delinquency and traces the emergence and effectiveness of the juvenile justice system as a societal response to juvenile offenders.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 332 Seminar on Violence**

Acts of violence and violent predators will be explored through this course. Research on criminal violence will be offered with theoretical explanations. Crimes emphasized through the course material will include homicide, assault, robbery, rape and hate crime. Family, workplace, schools and gang violence will also be examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 333 Sex Offenses**

This course examines sexual offenses, including the crimes and the criminals, with an emphasis on definitions, motives, theories and explanations. A variety of sex crimes will be discussed with perspectives being offered about the crimes, offenders, victims and criminal justice system with relation to this type of behavior. Fetishes and paraphilias will be explored through the investigation into sexual offending cycles.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 334 Homicide**

Homicide is a phenomenon that impacts our society at alarming rates. This course is designed to examine this type of criminal violence through definitions, statistics, research, rates, types, and theoretical explanations. Students will be exposed to a variety of readings and required to complete independent investigations into incidents of homicide throughout the semester. Material covered throughout the course will greatly enhance the student's knowledge base regarding the act of murder.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 335 Criminal Typologies**

*Prerequisite: CRM 210.*

This course is designed to examine the nature and extent of criminal behavior. Students will explore patterns of offender behavior including crimes against the person, interpersonal violence, property crimes, white collar and organized crime, public order crimes and political crimes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 340 Research Methods in Criminology and Criminal Justice**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270 and CRM 320.*

An overview of research design as applied to research on crime and justice. Topics include hypothesis formulation, sampling techniques, reliability and validity, survey construction, field observation, and evaluation research. May be taught concurrently with CRM 641. Cannot receive credit for both CRM 340 and CRM 641.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 351 Trafficking of Humans, Drugs, and Guns**

This course examines rapidly changing issues such as drug trafficking, human trafficking, and illegal arms trading that are major areas of concern for law enforcement, politicians, and policy makers, and an increasingly important area of research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 355 Current Issues in Policing**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course addresses a selection of contemporary issues and controversies facing police officers and law enforcement agencies. Topics covered may include, but are not limited to, problem-oriented and community policing, police use of force, racial profiling, leadership in law enforcement, and police corruption.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 356 The Resilient Officer: Conflict and Stress in Policing**

Research shows that occupational stress in the lives of criminal justice professionals is associated with many important and preventable problems such as officer suicide, addiction, domestic violence, and even excessive force. This course will provide students with an in-depth exploration of the role of occupational stress in criminal justice professions. Current research will be examined, and solutions will be explored and evaluated.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer, Fall (even-numbered years)
Projected offerings

**CRM 357 Police Use of Force**

In this course students will examine diverse viewpoints concerning police presence and use-of-force in urban communities, as well as the difference between necessary and excessive force. Students will explore perceptions and current research, as well as evaluate possible solutions.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 365 Criminal Procedure**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course critically examines the constitutional and other legal controls placed on the government's ability to collect evidence to be used in criminal proceedings. Special attention is given to Supreme Court decisions related to the issues of privacy, detention, arrest, searches, seizures, interrogations, confessions, wiretapping and eavesdropping, right to counsel, and protections against self-incrimination. Issues of officer liability are also addressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 375 Current Issues in Corrections**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course addresses a selection of contemporary issues and controversies facing corrections officers and corrections agencies. Topics covered may include, but are not limited to, inmate-staff relations, inmate subculture, management issues, and reentry issues

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 376 Restorative Justice**

The purpose of this course is to introduce students to the principles, values, and practices of restorative justice in a range of contexts related to the field of criminal justice. Students will explore the restorative philosophy through reading, research, reflective writing, and group discussion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**CRM 377 Inmate Voices: Examining the Effects of Incarceration**

In this course students will attempt to reach beyond assumptions and expectations about the incarcerated by exploring the experiences and perceptions of prison inmates as expressed through their own writings. This course will deepen students' understanding of the effects and experience of incarceration on inmates, as well as their children, families, communities, and prison staff.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 380 Criminal Justice Organizations and Management**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course provides an overview of organizational theory and administrative behavior in criminal justice agencies, and exposes students to the latest research and practices in criminal justice management and organizations. Effects of leadership decision-making, court cases, personnel policies, budgeting, and planning on the justice system are analyzed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 396 Directed Readings in Criminology**

*Prerequisite: CRM 210 and permission of instructor.*

Readings designed to introduce students to new material or to supplement material introduced in previous departmental courses. May be repeated to total of 6 hours if topic changes.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 397 Special Topics in Criminology**

A variable topic course offering an overview of one or more issues related to criminology. May be repeated when topic changes.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 400 Conservation Law Enforcement**

Conservation law enforcement and conservation officers occupy an important, yet often overlooked segment of the criminal justice system. The role and duties of conservation officers is unique among law enforcement. While conservation officers perform similar duties to traditional law enforcement officers such as order maintenance and law enforcement, the scope of those duties differs in several respects. This course will explore those differences through examining conservation law enforcement from a local, national and international perspective. Additionally, this course will examine the unique role of conservation officers within the larger criminal justice system, and within the smaller law enforcement community.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 410 Crime, Justice, and Gender**

*Prerequisite: CRM 210 and CRM 320.*

A sociological examination of the impact of gender on crime and justice issues. The course format relates the impact of gender to the differential treatment of women and men as offenders, victims, and professionals in the system. Possible solutions to the problems identified in the course are also explored.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 415 Race, Class, Gender, and Crime**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

An examination of race, class, and gender in relation to the structure and function of the criminal justice system. How these identities impact criminal offending and official responses to crime will be explored as well as historical and current perspectives. Students will be encouraged to develop a deeper understanding of cultural competency in regard to race, class, and gender identities and the criminal justice system.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 420 Comparative Criminal Justice Systems**

*Prerequisite: CRM 210 and CRM 320.*

A comparative and historical study of the origins of law, crime rates, and the structure and operation of the criminal justice system in the United States as compared to other western and eastern nations. Included is the study of criminal and juvenile law, police, courts and the corrections system.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 425 Wrongful Convictions**

*Prerequisite: CRM 210 and CRM 320.*

This course is designed to provide students with an overview of criminal procedures leading to the wrongful conviction of alleged offenders. This will include an overview of the extent of wrongful convictions in the United States as well as the primary contributing factors of wrongful conviction. Students will also be exposed to potential policy changes and laws that have been made or suggested to reduce the incidence of wrongful convictions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 430 Victimless Crime**

*Prerequisite: CRM 210 and CRM 320.*

A sociological examination of attempts to legally control private behavior covering both historical and contemporary examples such as prostitution, drug use, homosexuality, and abortion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 435 Evidence**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course critically examines the laws and rules of evidence at trial. Common law rules and the Federal Rules of Evidence are discussed, along with leading court cases.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 440 Foundations of Homeland Defense and Security**

This course provides an overview of homeland security and defense undertaken in the United States since September 11, 2001. The course provides students with the generally accepted knowledge required of homeland security professionals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 445 Victimology**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270 and CRM 320.*

This course examines the characteristics of crime victimization as it relates to the various components of the criminal justice system. Students will develop a better understanding of the contextual relationship between victims and offenders, as well as the role of police, courts and corrections in the dynamics of crime victimization, as well as the physical, emotional and financial impact of crime.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 475 Community Corrections**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course focuses on describing and evaluating the policies and initiatives used to monitor and treat criminal offenders sanctioned to community supervision. Community-based correctional programs and practices given special attention include probation and parole, work release, halfway houses, residential treatment centers, and diversionary programs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 477 Geographic and Spatial Analysis of Crime**

*Prerequisite: CRM 210 and CRM 320.*

This course will provide an in-depth look at the history of our efforts to describe, understand, and respond to concentrations of crime across place and time. From early efforts in the 1800s to the most current research utilizing sophisticated computerized crime mapping, the questions of where, when, and why crime is most prevalent will be examined with a focus on how high-risk places and times can be addressed and prevented.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 480 The Gang Phenomenon**

*Prerequisite: CRM 210 and CRM 320.*

In this course students explore the history of the gang phenomenon, the variety and types of gangs, reasons why gangs form, their structure, the functions they serve for their members and the social policies which have been developed to deal with gangs. Solutions to the gang phenomenon are also investigated.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 485 Drugs in Society**

*Prerequisite: CRM 210 and CRM 320.*

An important social problem facing our society today is that of drug use/abuse. This problem cuts across all cultures, as well as across social class, sex, and racial groups. It affects the economy of the country as well as the image we, as a nation, project to other peoples. It is a political issue of not just national, but also international proportions. In order to understand this problem better, this course attempts to place "drugs" in a sociological perspective and through using the sociological imagination. Solutions to the drug problem are also considered.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 487 Green Criminology**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course is designed to introduce students to the history, theories, law, and the nature of environmental crimes. Law enforcement, prosecutorial and judicial practices will be reviewed and set in their social and political context. Past, current and potential issues in green criminology will be examined regarding environmental crime.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 490 Internship in Criminology**

*Prerequisite: Criminology major, completion of 18 hours in the CRM major program, and permission of instructor.*

Faculty supervised experience in an agency related to issues of crime and justice. Students are expected to work 50 hours in the agency for each credit hour. Students must submit applications for CRM 490 no later than April 15 for subsequent summer (when offered) and fall enrollment, and November 1 for subsequent spring enrollment.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CRM 495 Criminal Justice Ethics**

*Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.*

This course will address ethical issues in the criminal justice system at both the theoretical and applied levels. Students will examine critical issues encountered by victims, offenders, and practitioners within the criminal justice system. Emphasis will be placed on ethical dilemmas in the police, court, and correction systems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 497 Special Issues in Criminology**

*Prerequisite: CRM 210 and permission of instructor.*

A variable topic course offering an in-depth analysis of one or more issues related to Criminology. May be repeated to a total of 6 hours when topic changes.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 580 Cybercrime**

This course will provide the student with an overview of cybercrime and the offenders who commit the offense. It will explore the various types of cybercrime including internet pornography, harassment, fraud, and hacking. Legal issues regarding cybercrime will also be discussed. Methods of combatting cybercrime and assisting the victims of cybercrime will be presented.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 597 Special Topics and Issues in Criminal Justice**

*Prerequisite: permission of instructor.*

A variable topic course examining issues of crime, its causes, as well as social and political responses to crime by various institutions including government, media, law enforcement, the courts, and corrections. Variable content course. May be repeated for a total of 6 hours if the topic changes. May be taught concurrently with CRM 697. Cannot receive credit for both CRM 697 and CRM 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 598 Senior Seminar in Criminology and Criminal Justice**

*Prerequisite: CRM 340; and Criminology major; and senior standing with 95 hours.*

This is the capstone course for Criminology majors. Students in this course will examine contemporary policy, diversity and ethical issues involving crime and justice in society. Students will complete a policy analysis paper that integrates coursework taken for the Criminology major. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 641 Research Methods in Criminology and Criminal Justice**

An overview of research design as applied to research on crime and justice. Topics include hypothesis formulation, sampling techniques, reliability and validity, survey construction, field observation, and evaluation research. May be taught concurrently with CRM 340. Cannot receive credit for both CRM 641 and CRM 340.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 657 Forensic Psychology: Child Abuse and the Law**

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. Identical with PSY 657. Cannot receive credit for both CRM 657 and PSY 657.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 697 Special Topics and Issues in Criminal Justice**

*Prerequisite: permission of instructor.*

A variable topic course examining issues of crime, its causes, as well as social and political responses to crime by various institutions including government, media, law enforcement, the courts, and corrections. Variable content course. May be repeated for a total of 6 hours if the topic changes. May be taught concurrently with CRM 597. Cannot receive credit for both CRM 597 and CRM 697 unless topic changes.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 701 Criminal Justice Policy**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or Master of Professional Studies program with the Criminal Justice option.*

This course takes a critical look at the construction, implementation, evaluation, and justification of a wide range of criminal justice policies and programs. Significant attention is given to methodological processes in determining policy and program effectiveness.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 705 Applied Research in Criminal Justice**

*Prerequisite: admission to the MS in Criminology and Criminal Justice program and successful completion of an undergraduate or graduate research methods course.*

This course provides students with the background and skills necessary to conduct sound and ethical research in their professional fields and successfully navigate through academic research relevant to guiding and improving criminal justice policy and practice. The capstone requirement consists of a mini-research proposal.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CRM 715 Leadership and Management in Criminal Justice**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or Master of Professional Studies program with the Criminal Justice option.*

This course familiarizes students with theories, issues, and innovations related to leadership and management in criminal justice settings. Students are exposed to techniques aimed at enhancing leadership and management capabilities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CRM 720 Crime Theory and Policy**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or Master of Professional Studies program with the Criminal Justice option.*

This course surveys various classical and contemporary theories of lawbreaking. The relationship between criminological theory and justice system policy is emphasized. A position paper on a theoretically-driven policy is required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 730 Juvenile Justice**

This course aims to stimulate and facilitate critical and reflective thought regarding the legitimacy and effectiveness of juvenile justice policy and practice in the United States. Students analyze the mission and goals of juvenile justice systems, organizational design and managerial and staff roles, contemporary policies and programs, and methods of performance evaluation in juvenile agencies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 740 Foundations of Homeland Defense and Security**

This course provides an overview of homeland security and defense undertaken in the United States since September 11, 2001. The course provides students with the generally accepted knowledge required of homeland security professionals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 741 Cybercrime and Cyber terrorism**

This course provides an in depth analysis of differences between cyber terrorism and cybercrime and the motivations that drive cyber criminals and terrorists. It also examines emerging strategies used by law enforcement and the private sector to respond to cyber attacks.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer, Upon demand
Projected offerings

**CRM 745 Topics in Homeland Defense and Security**

*Prerequisite: CRM 740.*

A comprehensive and integrated homeland security and defense strategy must also include the full range of elected officials, first responders, the human, animal and plant health communities, business and our citizens. This course will examine the application, progress and problems of the development and implementation of a homeland security/defense strategy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 746 Global Criminology**

This course explores how the traditional field of criminology is being transformed by forces of globalization.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 747 Policing Terrorism**

This course examines the role of law enforcement in counter terrorism efforts in the United States. It explores law enforcement responses to terrorism from a critical, best-practices perspective and addresses controversial strategies employed by enforcement agencies responding to terrorism within the context of a democratic government.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 750 Law Enforcement and Community**

This course addresses concerns and issues facing law enforcement agencies within a community context. Administrative implications of these subjects will also be addressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 765 Legal Issues in Criminal Justice**

This course introduces the student to the role of law and courts in the criminal justice system, with a particular focus on the relationship of the law to police investigatory procedures. Particular emphasis is placed on the role of the United States Supreme Court in interpreting the Fourth, Fifth, and Sixth Amendments. Current legal issues in criminal justice will also be examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 770 Correctional Theory and Practice**

This course examines social control responses to lawbreakers including the exploration of classical and contemporary theories and philosophies that have guided American correctional policy, both institutional and community based. Management implications related to policy are addressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 771 Contemporary Issues in Community Corrections**

This course examines modern issues, problems, and practices facing the community corrections profession. A special emphasis is placed on exploring the challenges of interacting with specific types of offender populations, including mental health, substance abuse, and domestic violence offenders, in community and treatment contexts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CRM 772 Applied Evidence-Based Practices in Community Corrections**

This course reviews a range of research-informed policies, programs, and practices delivered to offenders in correctional settings to improve supervision and reduce recidivism. In addition to coverage of the relevant literatures, the course emphasizes hands-on applications of evidence-based practices through a variety of active-learning exercise.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CRM 773 Offender Thinking and Decision-making**

This course explores how criminal offenders process and prioritize information when they encounter opportunities to violate supervision conditions and commit crime. Beliefs, values, and attitudes used to rationalize criminal behavior are also examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CRM 780 Gangs and Gang Policy**

This course explores the nature and scope of street gangs and critically analyzes gang-control policies and programs. A variety of gang-related issues are discussed, including the problems inherent in defining the term "gang," the historical development and organizational structure of gangs, and gang origination, persistence, desistence, prevalence, and migration. In addition, proposed solutions to gang problems are analyzed by examining such policies and programs as gang databases, gang prosecution units, gang enhancement statues, and civil injunctions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 785 U.S. Drug Control Policy**

This course provides a historical overview of the formulation, implementation and evaluation of U.S. drug control policy. The focus is on critically reviewing the cultural, social and political forces that have shaped our nation's drug control policies and assessing the research that has been conducted to evaluate the effects of such policies. Topics to be examined include prohibition, interdiction, eradication, legalization, law enforcement and military responses, effects on the criminal justice system, treatment, education and prevention.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CRM 790 Graduate Practicum in Criminology**

*Prerequisite: permission of instructor.*

Faculty supervised experience in a criminology-related agency. Students are expected to work 45 hours in the agency for each credit hour. The practicum includes academic reflection on work experience at the agency. May be repeated for up to 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 796 Independent Study in Criminology and Criminal Justice**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or the Master of Professional Studies program with the Criminal Justice option; and permission of instructor.*

Faculty supervised independent research directed by a member of the department graduate faculty. May be repeated to a maximum of six hours when the topic varies.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CRM 797 Policy Analysis Capstone**

*Prerequisite: completion of 27 hours in the MS in Criminology and Criminal Justice program, including the completion or concurrent enrollment in CRM 701, CRM 705, CRM 715 and CRM 720; and permission of a graduate faculty member.*

This capstone experience requires an in-depth analysis of a specific criminal justice policy with an emphasis on demonstrating an understanding of the policy (including its historical background and current applications), specifying strengths and weaknesses, and offering suggestions for future research and improvement of the policy. This course should be taken the last semester of coursework.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 798 Thesis I**

*Prerequisite: completion of or concurrent enrollment in CRM 701, CRM 705, CRM 715, and CRM 720; and permission of graduate thesis committee following the successful defense of an initial concept paper.*

This phase of the thesis process requires the completion and successful defense of a thesis prospectus, including statement of the problem, literature review, and methodology sections.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CRM 799 Thesis II**

*Prerequisite: completion of or concurrent enrollment in CRM 701, CRM 705, CRM 715 and CRM 720; and approval of thesis prospectus by the student's thesis committee.*

This phase of the thesis process calls for the collection, analysis, and interpretation of data and the development of final conclusions and implications. The final product must be successfully defended in front of the thesis committee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

MAKE YOUR MISSOURI STATEMENT™

# Criminology

## Major(s)

### Criminology (Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (45 hours)

1. Required Lower Division Core (12 hours): CRM 210(3), 250(3), 260(3), 270(3). All must be completed before enrolling in required courses at the 300 level and above.

2. Required Upper Division Core (24 hours): CRM 320(3), 330(3), 340(3), 365(3), 380(3), 415(3), 598(3); and either CRM 355(3) or 375(3).

3. Complete 9 additional hours in CRM courses numbered 300 and above.

    a. Can take either CRM 355 or 375 for elective credit if not taken as a required course.

    b. Can take multiple 1 hour CRM courses at the 300 level to partially satisfy the 9 hours of elective courses requirement.

    c. Can take 3 hours of CRM 490 to partially satisfy the 9 hours of elective courses requirement. Additional CRM 490 hours may be taken, but cannot be counted towards the upper division CRM electives requirement.

4. Public Affairs Capstone Experience will be fulfilled by completion of CRM 598(3).

C. Specific Bachelor of Arts Degree Requirements

D. General Baccalaureate Degree Requirements

### Criminology (Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (45 hours)

1. Required Lower Division Core (12 hours): CRM 210(3), 250(3), 260(3), 270(3). All must be completed before enrolling in required courses at the 300 level and above.

2. Required Upper Division Core (24 hours): CRM 320(3), 330(3), 340(3), 365(3), 380(3), 415(3), 598(3); and either CRM 355(3) or 375(3).

3. Complete 9 additional hours in CRM courses numbered 300 and above.

    a. Can take either CRM 355 or 375 for elective credit if not taken as a required course.

    b. Can take multiple 1 hour CRM courses at the 300 level to partially satisfy the 9 hours of elective courses requirement.

    c. Can take 3 hours of CRM 490 to partially satisfy the 9 hours of elective courses requirement. Additional CRM 490 hours may be taken, but cannot be counted towards the upper division CRM electives requirement.

4. Public Affairs Capstone Experience will be fulfilled by completion of CRM 598(3)

C. General Baccalaureate Degree Requirements

## Minor(s)

## Criminology

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

A. Required (12 hours): CRM 210(3), 250(3), 260(3), 270(3). All must be completed before enrolling in required courses at the 300 level and above.

B. Required (6 hours): CRM 320(3); and any CRM course numbered 300 and above.

## Accelerated graduate program in Criminology and Criminal Justice

Eligible Missouri State undergraduate students may apply for admission to the Criminology and Criminal Justice program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific

admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Concentrated Officer Development and Education (CODE) Certificate Program

The program consists of four separate 16-hour undergraduate certificates. Each of the certificates is unified by a theme. CODE I is "The Justice Systems", CODE II is "The Officer", CODE III is "The Community", and CODE IV is "The Leaders of Law Enforcement.

## The Justice System

This certificate is designed to provide students with an overview of the adult and juvenile criminal justice systems. When completed, this certificate allows students to see the criminal justice system as a set of interrelated subsystems that sometimes work in opposition to each other, in an attempt to enforce the criminal law. Students will see how the system is constrained by society and the United States constitution.

### Program Requirements

1. CRM 210(3), 260(3), 330(3), 365(3); ENG 110(3)
2. One additional hour in Criminology, with approval of advisor, to bring total hours to 16.

## The Officer

This certificate is designed to provide students with a broad understanding of the history, functioning and issues involved in law enforcement. Students will be exposed to various policing strategies and current issues in law enforcement. Students will also be exposed to various theoretical perspectives that help to understand why individuals engage in deviant or illegal behaviors.

### Program Requirements

1. CRM 250(3), 335(3), 355(3); ENG 221(3); PSY 121(3)
2. One additional hour in Criminology, with approval of advisor, to bring total hours to 16.

## The Community

This certificate is designed to provide students with an understanding of how our society responds to those who have been convicted of crimes, including the intensive study of prisons, probation

and parole and other criminal sanctions. Additionally, two major social problems- drugs and gangs- are explored.

### Program Requirements

1. CRM 270(3), 480(3), 485(3); SOC 152(3); SWK 219(3)

2. One additional hour in Criminology, with approval of advisor, to bring total hours to 16.

## The Leaders of Law Enforcement

This certificate is designed to provide students with a strong understanding of how criminal justice organizations function, including all the key stress points in the management and organizational structure. The ethical issues inherent in law enforcement are also examined as they relate to the authority and discretion officers have as a result of their occupation. In additional, students will be allowed to pursue electives in personal areas of interest.

### Program Requirements

1. COM 115(3); CRM 380(3), 495(3)

2. Seven additional hours in Criminology, with approval of advisor, to bring total hours to 16.

# Conservation Law Enforcement Certificate

## Conservation Law Enforcement

This certificate is jointly offered by the Department of Criminology and Criminal Justice and the Department of Biology and is designed to provide students with the fundamental knowledge needed to pursue a career in conservation law enforcement. Students who complete this certificate will better understand the interdisciplinary nature of conservation law enforcement and the interdependent relationship between criminological and biological principles in this unique law enforcement field.

Students must satisfy all prerequisites for any courses they take in the program or they must obtain instructor approval to waive any prerequisites.

### Required Courses

A. CRM 210(3), CRM 365(3), CRM 400(3), BIO 122(4), BIO 373(3)

B. Choose one from following to 18-19 hours in certificate: BIO 532(3), 561(2), 573(3), 575(3), 576(3)

### Recommended Elective

BIO 121(4); or BIO 101(3) and 111(1)

# Department of Defense and Strategic Studies

## Programs

### Graduate

Countering Weapons of Mass Destruction (Certificate)

Defense and Strategic Studies (MS)

Defense and Strategic Studies (Certificate)

Courses are offered toward the option in Homeland Security and Defense within the Administration Studies program (MS)

## General Information

The Department of Defense and Strategic Studies is located in Fairfax, VA and provides professional, graduate-level education in national security policy; cyber security; WMD proliferation; international terrorism; military operations; global security challenges; foreign policy; arms control; missile proliferation; international security affairs; defense policy analysis, planning and programs; and intelligence analysis.

## Contact

**Department head**

Keith B. Payne, PhD

**Office**

9302 Lee Highway Suite 760, Fairfax, Virginia 22031

**Phone**

703-218-3565

**Fax**

703-218-3568

**Email**

DSS1@missouristate.edu

**Website**

dss.missouristate.edu

# Defense and Strategic Studies Faculty

## Professors

Robert G. Joseph, PhD

Keith B. Payne, PhD

## Instructor

Andrei Y. Shoumikhin

Missouri State

Office of the Registrar

Undergraduate Catalog



# Defense and Strategic Studies Courses

## Defense and Strategic Studies (DSS) courses

**DSS 601 Seminar on Nuclear Strategy and Arms Control**

This seminar examines the development of U.S. nuclear deterrence theory and policy. The seminar will study the strategic nuclear balance, including specific problems and programs, and the strategic doctrine, concepts, and objectives of the nuclear powers. Nuclear arms control, including the processes of decision making and negotiating, will be examined, with an emphasis on comparing theory and practice. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 630 International Law and Global Security**

This is a survey course designed to introduce students to the core principles and defining features of the international legal system, and to the changing role of international law in contemporary national and global security. Emphasis will be placed on the applicability of international law to armed conflict, counterterrorism, and containing the spread of weapons of mass destruction. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**DSS 631 International Negotiations**

This course combines the basics of negotiation theory and the examination of select international negotiation case studies with three practical "hands-on" negotiation exercises. It will explore various techniques for diagnosing the structure of a negotiation and identifying potential barriers to agreement. Case studies considered include: Negotiation of 1994 Framework Agreement with North Korea, George Mitchell's mediation in Northern Ireland resulting in the Good Friday Accords, the secret Oslo discussions leading to Israeli recognition of the PLO, The Louisiana Purchase, the Congress of Vienna, the Panama Canal negotiations, and the Egyptian-Israeli Armistice. The course is conducted as a series of interactive seminars including three simulated negotiations. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 632 Seminar on International Security Affairs**

Examines international and regional security problems and policies from both a regional and global perspective. It treats strategies and security problems from a broader viewpoint than the Seminar on Strategy and Arms Control, covering national interests, alliance relationships, intervention, regional threats, and the security problems of other states, including China and Russia. Supplemental Course Fee. (3-0) F,S

**Credit hours:**
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:**
Projected offerings

**DSS 633 Analysis of International Security Politics**

This course deals with the methods and techniques of collecting and assessing information for use in the study of international security politics, problems, and policies. It explores the measures of relative power among nations and the manner in which such power or lack of it shapes the capability of a nation effectively to act in the international sphere. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 634 The Geopolitics of Conflict and Accommodation**

The application of the techniques and understanding lent by the geography to the illumination of the physical and social environment in which politics, strategy, and war take place. The relationship among geography, strategy, and politics is studied through the examination of both historical and contemporary circumstances where geography has intruded on politics or politics on geography. Students will be introduced to the geopolitical concepts of sea power, land power and air power, and these concepts will be critiqued in light of recent technological changes in warfare. Supplemental Course Fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 700 Strategy and U.S. Defense Policy**

This course provides an examination of the basic concepts and issues of strategy, deterrence, defense, and arms control, and an overview of American defense policies, programs, and problems since World War II. Comparative strategic concepts, policies, and objectives are covered. Proliferation and measures of counter-proliferation, including arms control are examined on an introductory basis. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 702 Seminar on Regional Security Problems**

This seminar provides an advanced and in-depth analysis of selected contemporary regional security problems outside of Western Europe. It focuses on a few critical conflict situations, analyzes threats to regional and to U.S. interests, and examines alternative strategic policies and actions, including military force requirements, for the states involved. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 703 Science, Technology, and Defense Policy**

This course will cover four broad topics important to advanced work in DSS: basic principles and applications of defense science and technology; such as nuclear weapons effects, ballistic missiles, and strategic defenses; the influence of science and technology on defense programs and policies; the role of the scientific and technical community in defense policy; and current issues of defense science and technology. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**DSS 704 Arms Control: Theory and Practice**

An examination of contending arms control theories and concepts as tested by postwar and contemporary experience, bilateral and multilateral. There will be in-depth analysis of American and Russian approaches to arms control, as well as consideration of the arms control policies of other states. The course will study scientific and technical problems in arms control, including those of R and D, testing, production, and deployment; arms negotiations, and issues in verification and compliance. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 705 NATO Security Issues**

After an examination of the history of NATO policies, defense policies, and security issues, emphasis will be placed on analysis of current NATO security problems and options, including specific military defense alternatives. The individual security policies of the U.S., UK, FRG, and France will be studied, along with problems on the northern and southern flanks, and policies for outside-NATO-area security problems. Literature on the future of NATO would be included. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**DSS 706 Russian Military Strategy**

The first part of this seminar will review and study Soviet military policy, doctrine, strategy, and programs from the 1950s through the 1980s. It will consider problems of identifying, interpreting, and analyzing Soviet strategic policies and programs - in essence, problems of U.S. intelligence and threat assessment. The second part of the seminar will extend this study to Post-USSR Russia and current directions of Russian strategic policy both for territories of the former USSR and beyond. Particular emphasis will be placed on military reform, continuity and change in military policy, and the status and role of the Russian military forces. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 707 Seminar on Congress, National Security, and Weapons of Mass Destruction**

Advanced research, study, and analysis of defense programs, policies, and the policy and budget processes, both within the Congress and the Department of Defense. Included also will be the comparative analysis of various studies, analyses, and critiques of U.S. defense programs and plans, and of regional and global WMD capabilities. Department of Defense administration and organization will also be studied. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 708 Seminar on Contemporary Security Issues in Russia**

This seminar addresses on an advanced level current developments in Russia and other states of the former Soviet Union as they bear on issues of national and international security and on U.S. security policy-making. The approach will combine analysis of internal developments related to military power and policy, and of evolving international policies, with strategic and geopolitical analysis. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 709 Seminar on Space Policy and Security**

This course examines the extent to which spacepower doctrine, concepts, and operations influence national security strategy and international security. It identifies key space policy issues facing the United States and places them in the larger context of technological advances and a changing international strategic environment. The course will briefly examine the historical and policy foundations for the U.S. and international space programs and activities, including space policy evolution and international space law and treaties. It will then address current issues facing U.S. space programs, including efforts to reorganize national security space activities, and current international efforts to develop "rules of the road" for space activities. The course will also address strategic choices facing other nations in space capabilities, including continued dependence on U.S., European, and Russian space capabilities, developing indigenous space programs, and reliance on commercial space capabilities. Conflicts over dual-use technologies, such as space launch, remote sensing, satellite navigation, and communications, will be examined for their implications for such topics as spectrum management, and more broadly, for international security. Students will have an opportunity to apply insights gained from their readings and class discussion in a future wargame that includes both space and terrestrial crises and involves student team of players. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 710 Seminar on International Terrorism and Security**

This seminar will attempt to define and examine security issues related to terrorism and low-intensity conflict today. The origins of modern terrorism will be explored and terrorism will be put in the context of a strategy to achieve political ends. Case studies of terrorism in various regions, e.g., the Middle East, Europe and the United States, will show some of the current empirical evidence of global terrorist activities. The impact terrorism has on liberal societies and their ability to defend themselves will be examined in the context of counterterrorism strategies. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 711 The Rise of the United States to Preeminence**

This course will discuss the political development of the United States and its rise to great power, and then superpower status. Students will study a number of major U.S. wars and the political circumstances surrounding those conflicts. The course will address why the United States successfully developed into a world power and how its grand strategy changed over time. It will ask what lessons today's strategists can draw from the experiences of their predecessors. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 712 American National Security Policy**

This course evaluates the major actors and components of American national security policy. America's traditional national interests are studied--accenting World War II, the Cold War, and the present day. The course also addresses the circumstances of major foreign policy crises, such as the Cuban Missile Crisis, and the causes of successful and unsuccessful American interventions during the Cold War and after. Additionally, it considers America's foreign and defense policy in the post-Cold War world, and particular emphasis is placed on American policies toward other great powers such as China, Japan, and Russia, as well as in contemporary foreign and defense policy crises such as the war on terrorism. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 713 Intelligence, Counterintelligence, and Covert Action**

This course examines the role of intelligence and counterintelligence in the formulation and execution of state national security policies in democratic governments, and the impact of intelligence operations on international relations. The intelligence process is examined including the problems and opportunities associated with targeting or the tasking of intelligence agencies, the media of intelligence collection, the difficulties of analysis and evaluation, and counterintelligence. Additionally, covert action and paramilitary activities are studied with emphasis on the manner by which successes and failures have influenced military and foreign policy outcomes. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 714 Seminar on Strategic Thought**

There is a rich literature on strategy and warfare, and even the oldest surviving works on strategy are arguably relevant to contemporary political leaders. This course will examine the ideas of strategic thinkers who lived in historical periods ranging from the ancient world to the present. Students will read works by (and in some cases, about) such figures as Sun Tzu, Niccolo Machiavelli, Napoleon Bonaparte, Baron Antoine Henri de Jomini, Carl von Clausewitz, Thucydides, Thomas Schelling, and Herman Kahn. Students will discuss how these thinkers have influenced strategic studies, and how military-strategic thought has developed over time. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 715 Grand Strategy**

This seminar examines the role of grand strategy in international security. Emphasis is placed on the nature and role of grand strategy, and the major systemic and domestic factors that influence grand strategy. The nature of grand strategy will be introduced historically, and the grand strategies of the major world powers prior to and during World Wars I and II, the Cold War, and post-Cold War period, will be studied. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 716 Understanding Military Operations**

This seminar delineates selected past, current, and future sea, air, space, and land conflicts into their constituent parts in order to examine the interaction of political objectives and military doctrine. It will specifically seek to explore how the political objectives and military doctrine influence technological development and military innovation. To meet these objectives, the seminar will examine a variety of international political and doctrinal problems that have had a major impact on American national security policy. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 717 Small Wars, Imperial Conflicts, and Guerrilla Warfare**

This seminar examines some of the many forms of warfare that differ from "symmetrical" conflicts between great powers, with special attention to how great powers fight such wars and why they succeed or fail in bringing them to a satisfactory conclusion. Students will read a variety of literature written by authors such as C. E. Calwell, Victor Davis Hanson, and Colin Gray, as well as insurgents such as Che Guevara. The class will include a number of historical case studies, with an emphasis on the nineteenth, twentieth, and twenty-first centuries. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 718 Causes of War**

This seminar explores the causes of warfare through the lens of human evolution, psychological approaches, economic system, ideology, and the international system, with the intention of understanding the strengths and limitations of each level of analysis. From that foundation, the seminar applies each level of analysis to the study of the origins of particularly significant wars: the Peloponnesian, Crimean, Seven Years', Korean, and Vietnam Wars, as well as World War I and World War II. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 719 Strategic Culture**

Provides an introduction to using strategic culture as an analytical approach to understanding the cultural, religious, historical, and leadership sources of state and non-state actor behavior, with special reference to issues related to weapons of mass destruction. The concept of strategic culture captures domestic sources of state behavior, and offers an alternative or supplemental explanatory framework to the prevailing realist and constructionist theories of international relations. Examines the cultural context for applying theories of deterrence and dissuasion, and will involve a survey of thinking and analysis on strategic culture. from both theoretical and policy perspectives, as well as an exposure to the framework and methodology of strategic cultural analysis. Several key strategic cultures will serve as case studies. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 720 Internship Training in DSS Policy**

*Prerequisite: permission of instructor and acceptance by employer.*

Internship experience and training in defense and arms control policy making with a U.S. Government department or agency, a Washington, D.C., based defense policy research institute, or institution of comparable professional experience, including preparation of a written report or research paper based upon the internship. May be repeated to a maximum of 6 hours toward degree. Supplemental course fee. Graded Pass/Not Pass only.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**DSS 721 Missile Defense, Proliferation and Contemporary Warfare**

Examines the role of missile defense in the national security policies, programs, and military doctrines of the United States. Emphasis on exploring the evolution of missile defense within the broader context of contemporary American deterrence and defense policy. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**DSS 722 Emerging Strategic Challenges**

For the purpose of this seminar, strategic challenges are defined as those emerging trends or security threats--political, economic, or military--that could fundamentally alter the present pattern of interstate relations or the core principles of U.S. foreign and defense policy. Examples include a possible cascade of proliferation resulting in 20 or 30 nuclear-armed states, a single terrorist with a nuclear weapon, or a resurgent Russia or ascendant China rising to a level of a peer competitor of the United States. Seminar reading and discussions will focus on: 1) Examining the causes, effects, and responses to these potential strategic challenges, especially the spread of weapons of mass destruction to state and non-state actors, both terrorists and enablers such as the A.Q. Kahn network; 2) Assessing assumptions, policies and capabilities for dealing with these challenges and how the concept of dissuasion, deterrence, and defense must adapt to the new security environment; and 3) Exploring how best to hedge against strategic uncertainties and how best to shape the future of the nuclear enterprise to promote the expansion of nuclear energy globally while reducing the risks of proliferation. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**DSS 723 Counterproliferation**

Explores the challenges posed by nuclear and biological weapons in the hands of state and non-state actors. Students will investigate why various actors pursue these weapons, why some give them up, why others refuse to give them up, and the assorted instruments of national power that may be employed in the development of a national strategy to combat these weapons. Students will consider both the national security and homeland security aspects of these challenges. The subject matter will provide a vehicle for refining critical analytical skills; both verbal and written. The course will stress the refinement of each student's analytical and problem solving abilities as part of their development as national security strategists. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 724 Leadership in National Security Policy**

Addresses the issue of national security policy leadership. Students will investigate the critical topics, including the components of good leadership, and the consequences of leadership failures. Speakers from the national security community will participate in order to explain the leadership challenges they faced in their careers. The subject matter will provide a vehicle for refining student leadership skills as part of their development as national security strategists. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**DSS 725 Seminar on Instruments of State Power**

Instruments of state power encompass a broad range of tools--diplomatic, economic, intelligence, scientific and military--at the disposal of the state in the formulation and implementation of national security policy. Understanding the foundations, applications, and integration of these instruments is essential for the successful practitioner or scholar of security affairs. This seminar will focus on the individual instruments of U.S. power and their interrelationships in the conduct of foreign and defense policy. The class will employ case studies to assess the role of these instruments and the success and failure of their application. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**DSS 726 Chinese Military Power**

This course focuses on the rising military power of China (its motivation and implications), Chinese objectives in Asia and their relationship to its military buildup, the impact of the Chinese military buildup on the military and deterrence requirements of the United States and our Asia Allies, the prospect and outcome of a military confrontation between China and Taiwan, including potential involvement of the United States and, in light of the potentially catastrophic consequences of a major war in the Far East, issues relating to the deterrence of China. The focus of the course will be on relatively recent developments--1990 to the present because of the dramatic shift in Chinese military capabilities, doctrine and objectives during this period. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 727 Chemical and Biological Warfare: Global and Community Perspectives**

This course will help the student develop a global perspective on factors that may lead to the development and deployment of weapons of mass destruction, specifically the chemical and biological warfare agents. The introduction will consist of a history of the use of chemical and biological warfare, both on the traditional and the asymmetric battle fields. The biology and toxicology of the agents will be presented at a basic level sufficient to understand the development of use of countermeasures. Community preparedness in the form of immunizations, prophylaxis, and facility hardening will be addressed, followed by presentations on community risk analysis, response planning and decontamination of personnel and facilities. Class discussions will include (1) the role different national agencies (DoD, Homeland Security, state governments, etc.) play in protecting the populace (2) the effectiveness of recent homeland security efforts toward protecting communities from the effects of chemical and biological warfare agents (3) and global developments in religion and politics which impact the potential use of chemical and biological warfare, including globalism and jihadism. This course will be taught completely online. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**DSS 728 Terrorism: Advanced Research Topics**

*Prerequisite: DSS 710 and permission of instructor.*

An intense, research-based exploration of terrorism problems, patterns, and trends as these confront societies and governments in key regions of the globe, especially North America, Latin America, Western Europe and the Maghreb. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 737 Advanced Studies in Chemical and Biological Warfare**

*Prerequisite: DSS 727.*

This course builds on elements of DSS 727, Chemical and Biological Warfare: Global and Community Perspectives. The purpose of the course is to allow the student an opportunity to delve more deeply into a specific aspect of the field that is of great interest to the student. Subjects that were covered in the earlier course that might be considered for in-depth review include decontamination, pertinent treaties and conventions, weapons monitoring, dangers presented by industrial chemicals, and historical analysis of the use of chemical/biological weapons. Additional topics that might be considered are the natural epidemiology of diseases like tularemia, plague or anthrax, or risk assessments for potential chemical/biological weapons used by specific nations or sub-national groups. Each student will choose a separate subject to explore. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 740 Ethics of Weapons of Mass Destruction**

This seminar examines the wide-ranging moral issues associated with weapons of mass destruction (WMD). It highlights the key moral dilemmas associated with the decision to develop, acquire, maintain, employ, or dispose of WMD. It situates WMD moral discourse in the context of both standard ethical paradigms pertaining to the conduct of individuals in society as well as those paradigms associated with the regulation of violence in armed conflict, in both their theoretical and practical dimensions. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 794 Active In Research**

Students who have completed all course work and are only working on their research component may register for this course. The course is assessed a $600 supplemental course fee and allows the following: access to the library including online services, access to computer services and Missouri State email, and scheduled meetings and access to DSS professors. Course is for zero credit hours and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**DSS 795 Seminar: CWMD Graduate Fellows Colloquium**

*Prerequisite: permission of instructor and active U.S.*

security clearance. This is the capstone course of the National Defense University (NDU) CWMD Fellowship Program. Its purpose is to provide (NDU) CWMD Fellows occasion to: interact with other CWMD Fellows at the classified level; reflect upon and synthesize broad themes encountered in program course work; appreciate the complexities associated with DoD's CWMD challenges in an interagency context; and acquire unique professional tools that will facilitate their success as CWMD practitioners in the United States government. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**DSS 796 Directed Reading and Research in Defense and Strategic Studies**

*Prerequisite: permission of instructor.*

Individually tailored directed readings or research for bibliographical purposes; for improvement of research skills; for the purposes of a broader background of knowledge (e.g., in areas not covered by seminars, such as classical writings on strategy, and on the art of warfare historically or in the American experience); for more depth in selected areas of specialization; and/or to help meet the non-thesis MS degree research requirement. May be repeated to a maximum of 9 hours toward degree. Supplemental course fee.

**Credit hours:** 3-9
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**DSS 797 Special Topics**

Special topics may be offered as specific important issues, which are not adequately covered by regular seminars, arise; when Distinguished Guest seminars and work-shops can be planned ahead of time; or when visiting faculty wish to offer specialized courses not in the curriculum. May be repeated to a maximum of 6 hours, as topics change. Supplemental course fee.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**DSS 798 Seminar on Contemporary Defense Issues**

This seminar will address important contemporary defense and international security issues and may be offered to develop areas of study that are insufficiently covered by regular seminars, or when distinguished guest faculty or speakers wish to offer a specialized seminar not provided by the curriculum. May be repeated to a maximum of 6 hours, as topics change. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**DSS 799 Thesis**

*Prerequisite: completion of DSS course requirements for MS degree (30 hours minimum).*

Independent research and study connected with preparation of thesis. Supplemental course fee. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

# Department of Economics

## Programs

### Undergraduate

Economics (BA, BS, Minor)

## Contact

**Department head**

Kenneth H. Brown, PhD

**Office**

Strong Hall, Room 351

**Phone**

417-836-5516

**Fax**

417-836-4236

**Email**

Economics@missouristate.edu

**Website**

www.missouristate.edu/econ

# Economics Faculty

## Professors

Ken H. Brown, PhD

Terrel A. Gallaway, PhD

David M. Mitchell, PhD

Mahua B. Mitra, PhD

Reed N. Olsen, PhD

## Assistant professors

Haydory A. Ahmed

Subhasree Basu Roy, PhD

Timothy J. Flannery, PhD

## Senior instructor

Julie H. Gallaway, PhD

## Instructors

Scott E. Bloom, MA

Andres Cantillo, PhD

John S. Rabon, MA

## Emeritus faculty

Joe A. Bell, PhD

Larry G. Cox, MA

John T. Hoftyzer, PhD

Robert B. Hoppes, PhD

Doris F. Sheets, PhD

Allan D. Stone, PhD

Elizabeth E. Topping, PhD

E. Dale Wasson, PhD

Thomas L. Wyrick, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Economics Courses

## Economics (ECO) courses

**ECO 101 Economics of Social Issues**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

This course focuses on understanding and analyzing major contemporary social issues such as globalization, pollution, poverty, income distribution, taxes, social security, the appropriate role of government, etc. Students will be introduced to the basic tools of economics so that they can develop a general framework within which a variety of political, social and economic issues can be analyzed. Issues will be discussed from a national, regional and local perspective.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 155 Principles of Macroeconomics**

*General Education Course (Focus on Social and Behavioral Sciences).*

This course prepares the student to understand the economic structure of the United States and its place in the world economy, to interpret common economic measures, to understand the processes of governmental fiscal and monetary policies, and to evaluate individual decision-making from an economic perspective.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECO 165 Principles of Microeconomics**

*General Education Course (Focus on Social and Behavioral Sciences).*

Basic principles of economics with a particular emphasis on the nature and application of those bearing on decision making within a household, firm or industry; including consideration of problems respecting the composition and pricing of the national output, distribution of income, pricing and output of factors of production and foreign trade.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ECO 197 Topics in Economics**

Course designed to explore one or more current issues in the field of economics. Students should consult the class schedule to determine the topic(s) to be covered in any given semester. Variable content course. May be repeated to a maximum of 6 hours, as course topics change.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECO 200 Personal Economics**

An examination of topics designed to provide the student with skills aimed at promoting personal financial responsibility. Topics include budgeting, purchasing decisions, consumer credit, compound interest, savings and investments, home ownership, insurance, retirement and estate planning.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 300 Service Learning In Economics**

*Prerequisite: 30 hours, concurrent registration in an Economics course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Economics to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECO 302 Economic Analysis for Investors**

*Prerequisite: ECO 155 or ECO 165, and completion of mathematics general education requirement.*

This course examines economic principles used by investors and financial reporters. Concepts are drawn from several fields of economics including microeconomics, macroeconomics, money and banking, labor economics, and international economics. Students will participate in a stock market game, make in-class presentations and conduct Internet research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 305 Money and Banking**

*Prerequisite: ECO 155.*

Nature and functions of money, a survey of the operation and development of the banking system in the U.S.; introduction to monetary theory and policy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 310 Labor Economics**

*Prerequisite: ECO 155 and ECO 165.*

Factors determining the market for labor; examination of the economic effects of trade unions; recent trends in the labor force and the labor share of national income.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 314 Game Theory**

*Prerequisite: ECO 165.*

This course serves as an introduction to game theory, the study of strategy. The field has applications in economics, business, military strategy, political science, sports, biology, and poker. Possible topics include games vs. decisions, dominance, Nash equilibrium, and others.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 315 The Economics of Gender**

*Prerequisite: ECO 165.*

This course teaches students to analyze the economic decisions made by both males and females in two main areas: the labor market and the household. Specific areas of inquiry include the following: the family as an economic unit, gender differences in labor force participation, occupational gender segregation, explanations for gender earnings differentials and efforts to reduce such differentials, gender earnings discrimination, and international gender issues. Identical with GST 315. Cannot receive credit for both ECO 315 and GST 315.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 316 Sports and Entertainment Economics**

*Prerequisite: ECO 165.*

Microeconomic tools used to examine a wide variety of topics pertaining to the sports and entertainment industry such as monopoly and monopsony market structure, labor market issues including free agency and salary caps, and public policy concerns involving the impacts of sports and entertainment on the economy. Also includes an examination of the economics of various forms of media and entertainment including movies, cable, music, amusement parks, and casinos.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 320 American Economic History**

*Prerequisite: ECO 155 or ECO 165; HST 121 or HST 122.*

An examination of economic conditions and policies in America's past. Selected events are analyzed using principles drawn from economic theory, including: U.S. economic development, the origins of antitrust policy, and the New Deal.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 345 Asian Economies**

This course addresses the rise to significance of the Asia-Pacific region in the world economy. This region of the world is typified by a delicate balance between governments and business interests, which accounts for their diverse development trajectories. This course will study how these countries have transformed themselves from peasant societies into industrial powerhouses and how they have continued to achieve growth rates several times higher than the advanced nations of the West over a period of time.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 346 International Economic Development**

*Prerequisite: ECO 155 and ECO 165.*

Theory of economic growth and development, with emphasis on developing economies and the techniques for understanding and promoting development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 365 Intermediate Microeconomics**

*Prerequisite: ECO 165 and completion of mathematics general education requirement.*

Maximizing behavior of households and firms; theory of price and output determination under various market structures; distribution theory; introduction to general equilibrium analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 385 Intermediate Macroeconomics**

*Prerequisite: ECO 155 and completion of mathematics general education requirement.*

The study of macroeconomic theory and policy. Models are developed which provide a framework for the discussion of macroeconomic issues and the policy choices decision makers face.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ECO 396 Directed Readings in Economics**

*Prerequisite: QBA 237 or equivalent; and ECO 365 and ECO 385; and 75 hours.*

Readings and written reports in the area of particular interest to the student with the consent and guidance of the instructor.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECO 397 Studies in Economics**

Specific subject matter will change from semester to semester, depending on the interests of professors and students. Variable content course. May be repeated to a maximum of 6 hours, as course topics change.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECO 399 Cooperative Education in Economics**

*Prerequisite: acceptance into the Cooperative Education Program, 12 hours of economics and permission of the department head.*

To enable qualified students to apply theoretical constructs and analytical techniques in a supervised work environment. This course cannot be credited toward a major in economics if the student has completed a total of three or more credits in either ECO 396, or cooperative education in another discipline.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECO 409 Applied Econometrics**

*Prerequisite: QBA 237 or equivalent.*

Students will learn simple regression and multiple regression analysis. Additional topics include model building, cross sectional and time series analysis, as well as related topics. May be taught concurrently with ECO 609. Cannot receive credit for both ECO 409 and ECO 609.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 425 Industrial Organization**

*Prerequisite: ECO 165 and completion of mathematics general education requirement.*

Theory and public policy concerning the structure, conduct and performance of U.S. industries. Primary emphasis is on oligopolies and monopolies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 435 The Economic Analysis of Law**

*Prerequisite: ECO 165.*

Microeconomic theory is used to analyze the law and legal procedures. Although one purpose of the law is to resolve disputes between individuals, this course will focus on analyzing the incentives that the law gives rational individuals. Economic models are applied to four basic areas of law: property, contract, tort (accident), and criminal law. In addition, economic models are applied to the formation of the law and to legal institutions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 450 Urban and Regional Economics**

*Prerequisite: ECO 155 and ECO 165.*

Study of economic forces determining the location of businesses and consumers, and the size, shape, and changes in market areas/cities/land use. Also application of techniques of economic impact analysis to location decisions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 456 Comparative Economic Systems**

*Prerequisite: ECO 155.*

Study of the basic principles and institutions of national economies with an emphasis on capitalist, socialist, and mixed economic systems. A comparison of economic systems in various nations and of economies in transition to an increasingly globalized environment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 473 Mathematical Methods for Economics I**

*Prerequisite: ECO 155 and ECO 165.*

Recommended Prerequisite: ECO 365; and MTH 261 or MTH 285 or equivalent. Development and application of mathematical techniques to economics. May be taught concurrently with ECO 673. Cannot receive credit for both ECO 473 and ECO 673.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 475 Managerial Economics**

*Prerequisite: ECO 155 and ECO 165.*

Application of economic analysis to decision making in business management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 500 Fundamentals of Economics**

*Prerequisite: College of Business majors and minors must receive permission from a director of a College of Business graduate program.*

An accelerated course dealing with the fundamentals of micro- and macroeconomic theory, designed for graduate students who have not completed undergraduate principles of economics. This course will not be counted in the hours required for a College of Business undergraduate or graduate degree. This course will not be counted in the hours required for an Economics undergraduate major or minor. May be taught concurrently with ECO 600. Cannot receive credit for both ECO 600 and ECO 500.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 504 Health Care Economics**

*Prerequisite: ECO 165.*

A basic study of the economics of the health care market. Microeconomic theory is applied to the analysis of health care issues. Attention will be given to empirical studies of health care economics. Identical with HCM 504. Cannot receive credit for both ECO 504 and HCM 504. May be taught concurrently with ECO 604. Cannot receive credit for both ECO 604 and ECO 504.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 508 Intermediate Econometrics**

*Prerequisite: ECO 409.*

Examination of the principles of economic model construction and the econometric techniques used in estimation of behavioral relationships. May be taught concurrently with ECO 611. Cannot receive credit for both ECO 508 and ECO 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 515 Public Sector Economics**

*Prerequisite: ECO 155, ECO 165, and completion of mathematics general education requirement.*

Allocation and distribution functions of the public sector of the economy; theories of taxation and public expenditure; shifting and incidences of taxes, local-state federal finance. May be taught concurrently with ECO 615. Cannot receive credit for both ECO 615 and ECO 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 520 History of Economic Thought**

*Prerequisite: ECO 155 and ECO 165.*

Development of economic theory. May be taught concurrently with ECO 620. Cannot receive credit for both ECO 620 and ECO 520.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 540 Economics of the Environment**

*Prerequisite: ECO 165.*

The course applies economic concepts and analysis to environmental issues such as pollution and natural resource management. Economic concepts and analysis used in the course will include supply and demand, cost benefit analysis, and the role of incentives. May be taught concurrently with ECO 640. Cannot receive credit for both ECO 640 and ECO 540.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 565 International Economics**

*Prerequisite: ECO 155 and ECO 165.*

Recommended Prerequisite: QBA 237 or equivalent. Introduction to the key concepts of international trade and finance with a focus on the fundamental theories of international economics. Topics include the gains from and the patterns of international trade, protectionism, exchange rate determination and government policy intervention. May be taught concurrently with ECO 665. Cannot receive credit for both ECO 665 and ECO 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ECO 585 Mathematical Methods for Economics II**

*Prerequisite: ECO 365 and ECO 473; and 60 hours (ECO 473 may be waived if familiarity with calculus-based optimization techniques can be established).*

Unconstrained and constrained optimization; applications of the envelope theorem and duality to standard economic models, including utility maximization, profit maximization and expenditure/cost minimization. May be taught concurrently with ECO 685. Cannot receive credit for both ECO 685 and ECO 585.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 586 Business Cycles and Forecasting**

*Prerequisite: ECO 385.*

Fluctuations in the level of economic activity; an examination of the basic principles and techniques of economic forecasting. May be taught concurrently with ECO 686. Cannot receive credit for both ECO 686 and ECO 586.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 590 Senior Research Seminar**

*Prerequisite: ECO 365 and ECO 385 and ECO 409; and 90 hours.*

A seminar course requiring the completion of assignments which develop and refine economic research skills. A combination of papers and class presentations will be used to assess student achievement. Primarily for economics students in their final year of study. Graduating seniors are given enrollment priority. May be taught concurrently with ECO 690. Cannot receive credit for both ECO 590 and ECO 690. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ECO 599 Directed Research in Economics**

*Prerequisite: ECO 365; and ECO 385 or ECO 610; and ECO 409.*

The student is expected to conduct research in a selected topic in economics and to produce a written report. May be taught concurrently with ECO 699. Cannot receive credit for both ECO 699 and ECO 599.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECO 600 Fundamentals of Economics**

*Prerequisite: College of Business majors must receive permission from a director of a College of Business graduate program.*

An accelerated course dealing with the fundamentals of micro- and macroeconomic theory, designed for graduate students who have not completed undergraduate principles of economics. This course will not be counted in the hours required for a College of Business graduate degree. May be taught concurrently with ECO 500. Cannot receive credit for both ECO 500 and ECO 600.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 604 Health Care Economics**

Recommended Prerequisite: ECO 165. A basic study of the economics of the health care market. Microeconomic theory is applied to the analysis of health care issues. Attention will be given to empirical studies of health care economics. Identical with HCM 604. Cannot receive credit for both ECO 604 and HCM 604. May be taught concurrently with ECO 504. Cannot receive credit for both ECO 504 and ECO 604.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 609 Applied Econometrics**

*Prerequisite: QBA 600 or equivalent.*

Students will learn simple regression and multiple regression analysis. Additional topics include model building, cross sectional and time series analysis, as well as related topics. May be taught concurrently with ECO 409. Cannot receive credit for both ECO 609 and ECO 409.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 611 Intermediate Econometrics**

Recommended Prerequisite: ECO 409. Examination of the principles of economic model construction and the econometric techniques used in estimation of behavioral relationships. May be taught concurrently with ECO 508. Cannot receive credit for both ECO 508 and ECO 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 615 Public Sector Economics**

Recommended Prerequisite: ECO 155 and ECO 165; and completion of mathematics general education requirement. Allocation and distribution functions of the public sector of the economy; theories of taxation and public expenditure; shifting and incidences of taxes, local-state federal finance. May be taught concurrently with ECO 515. Cannot receive credit for both ECO 515 and ECO 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 620 History of Economic Thought**

Recommended Prerequisite: ECO 155 and ECO 165. Development of economic theory. May be taught concurrently with ECO 520. Cannot receive credit for both ECO 520 and ECO 620.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 640 Economics of the Environment**

Recommended Prerequisite: ECO 165. The course applies economic concepts and analysis to environmental issues such as pollution and natural resource management. Economic concepts and analysis used in the course will include supply and demand, cost benefit analysis, and the role of incentives. May be taught concurrently with ECO 540. Cannot receive credit for both ECO 540 and ECO 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 665 International Economics**

Recommended Prerequisite: QBA 237 or equivalent. Introduction to the key concepts of international trade and finance with a focus on the fundamental theories of international economics. Topics include the gains from and the patterns of international trade, protectionism, exchange rate determination and government policy intervention. May be taught concurrently with ECO 565. Cannot receive credit for both ECO 665 and ECO 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ECO 673 Mathematical Methods for Economics I**

*Prerequisite: ECO 155 and ECO 165.*

Recommended Prerequisite: ECO 365; and MTH 261 or MTH 285 or equivalent. Development and application of mathematical techniques to economics. May be taught concurrently with ECO 473. Cannot receive credit for both ECO 473 and ECO 673.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ECO 685 Mathematical Methods for Economics II**

Recommended Prerequisite: ECO 365; and ECO 473 or familiarity with calculus-based optimization techniques. Unconstrained and constrained optimization; applications of the envelope theorem and duality to standard economic models, including utility maximization, profit maximization and expenditure/cost minimization. May be taught concurrently with ECO 585. Cannot receive credit for both ECO 585 and ECO 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 686 Business Cycles and Forecasting**

Recommended Prerequisite: ECO 385. Fluctuations in the level of economic activity; an examination of the basic principles and techniques of economic forecasting. May be taught concurrently with ECO 586. Cannot receive credit for both ECO 586 and ECO 686.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 690 Seminar in Economics**

*Prerequisite: ECO 609 and ECO 710.*

A seminar course requiring the completion of assignments which develop and refine economic research skills. A combination of papers and class presentations will be used to assess student achievement. Primarily for graduate students in their final year of study. May be taught concurrently with ECO 590. Cannot receive credit for both ECO 690 and ECO 590.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 699 Directed Research in Economics**

Recommended Prerequisite: ECO 365; and ECO 385 or ECO 710; and ECO 409. The student is expected to conduct research in a selected topic in economics and to produce a written report. May be taught concurrently with ECO 599. Cannot receive credit for both ECO 599 and ECO 699.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ECO 705 Economic Studies**

Survey course; problems of government finance, fiscal policy, and resource structures; economic pressure groups.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 710 Micro- and Macroeconomic Analysis**

*Prerequisite: ECO 600 or equivalent.*

An intermediate to advanced study of selected topics in microeconomic and macroeconomic analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ECO 721 International Political Economy**

A general introduction to the politics of international economic relations, with a special emphasis on the extent, causes, and consequences of globalization. Covers such topics as trade, investment, aid, global warming, international institutions, and the political roots of economic development. Identical with PLS 721. Cannot receive credit for both ECO 721 and PLS 721.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ECO 730 Money and Credit Markets**

Recommended Prerequisite: ECO 305. Role performed by the Federal Reserve System, financial intermediaries, non-financial businesses, the public, and the foreign sector in developing and maintaining money and credit flows.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

# Economics

## Major(s)

### Economics (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements

1. ECO 155(3), 165(3), 365(3), 385(3), 409(3), 590(3)
2. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)
3. Minimum of nine additional credit hours in Economics
4. Public Affairs Capstone Experience will be fulfilled by completion of ECO 590(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

### Economics (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. ECO 155(3), 165(3), 365(3), 385(3), 409(3), 590(3)
2. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)
3. Minimum of 15 additional credit hours in Economics
4. Public Affairs Capstone Experience will be fulfilled by completion of ECO 590(3).

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Economics (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. ECO 155(3), 165(3), 365(3), 385(3), 409(3), 590(3)
2. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)
3. Minimum of 15 additional credit hours in Economics
4. Minimum of 18 hours in satisfaction of Plan A or B:
    a. Plan A: Concentration of at least 18 hours in any discipline in which a major is offered
    b. Plan B: Concentration of at least nine hours in each of two disciplines in which a major is offered
5. The 18 hour block in Plan A and each nine hour block in Plan B must satisfy the following additional restrictions:
    a. The courses within a block must all have the same course code (prefix).
    b. At least two thirds of the credit hours in each block must be from upper division courses.
    c. Transfer credit may only be used if the relevant course has been determined to be equivalent to a specific MSU course (and not to an unspecified elective).
6. Public Affairs Capstone Experience will be fulfilled by completion of ECO 590(3).

C. General Baccalaureate Degree Requirements

All majors wishing to pursue careers in either Business or Public Administration/Government, or wishing to pursue Graduate Study in Economics or attend Law School are encouraged (but not

required) to choose electives from the following relevant set of courses:

**Business Orientation Track.** Courses are: ECO 305(3), 310(3), 425(3), 450(3), 475(3), 565(3); ACC 201(3); BUS 135(3); FIN 380(3); LAW 231(3); MGT 286(3), MGT 320(3) or MGT 340(3); MKT 150(3) or MKT 350(3)

**Public Administration/Government Orientation Track.** Courses are: ACC 201(3); ECO 310(3), 425(3), 450(3), 504(3), 515(3), 540(3); PLN 371(3), PLS 255(3), PLS 573(3), PLS 576(3)

**Graduate School Orientation Track.** Courses are: ECO 305(3), 425(3), 473(3), 515(3), 565(3), 585(3); MTH 261(5), 280(5), 302(3), 315(3)

**Law School Orientation Track.** Courses are: ECO 425(3), 435(3), 473(3), 515(3), 540(3), 565(3); ENG 310(3); HST 517(3); LAW 231(3); PHI 305(3); PLS 515(3), 517(3)

## Minor(s)

## Economics

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

A. ECO 155(3), 165(3)

B. Additional hours in economics to total at least 18 hours. One of the following statistics courses may be used toward this minor: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)

# Department of History

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

History (BA, BS, Minor)+

History Education (BSEd)+

### Graduate

History (MA)+

History for Teachers (Certificate)

Secondary Education with option in History (MSEd)+

Secondary Education with option in Social Sciences (MSEd)

## Accreditations

- Missouri Department of Elementary and Secondary Education – History (BSEd); Secondary Education/History (MSEd); Secondary Education/Social Sciences (MSEd)
- Council for the Accreditation of Educator Preparation – History (BSEd); Secondary Education/History (MSEd); Secondary Education/Social Sciences (MSEd)

## Contact

**Department head**

Kathleen A. Kennedy, PhD

**Office**

Strong Hall, Room 410

**Phone**

417-836-5511

**Fax**

417-836-5523

**Email**

History@missouristate.edu

**Website**

history.missouristate.edu

# History Faculty

## Professors

Holly A. Baggett, PhD

Brooks R. Blevins, PhD

John F. Chuchiak IV, PhD

Thomas S. Dicke, PhD

David W. Gutzke, PhD

Kathleen A. Kennedy, PhD

Stephen L. McIntyre, PhD

F. Thornton Miller, PhD

Eric W. Nelson, PhD

## Associate professors

Angela Hornsby-Gutting, PhD

Michelle J. Morgan, PhD

## Assistant professors

Djene Rhys Bajalan, PhD

Marlin C. Barber, PhD

Jessica M. Elliott, PhD

Bukola Oyeniyi, PhD

Sara J. Panzer, PhD

Julia D. Troche, PhD

## Instructors

Jacynda L. Ammons, PhD

John R. Gram, PhD

Kyle T. Miller, PhD

Jeremy C. Neely, PhD

## Emeritus faculty

Jamaine M. Abidogun, PhD

David B. Adams, PhD

Meredith Adams, PhD

Wayne C. Bartee, PhD

Dominic J. Capeci, Jr. PhD

Robert Flanders, PhD

James N. Giglio, PhD

William E. Hammond, PhD

Andrew W. Lewis, PhD

Worth R. Miller, PhD

William G. Piston, PhD

Michael M. Sheng, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# History Courses

## History (HST) courses

**HST 103 World History to Circa 1600 C.E.**

*General Education Course (Focus on Humanities).*

This course examines the formation and development of the world's major societies and systematically explores cross-cultural interactions and exchanges that have been some of the most effective agents of change in all of world history from Pre-History to circa 1600 C.E. Students cannot receive credit for both HST 101 and HST 103.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 104 World History Since 1600 C.E.**

*General Education Course (Focus on Humanities).*

This course examines the formation and development of the world's major societies and systematically explores cross-cultural interactions and exchanges that have been some of the most effective agents of change in all of world history since 1600 C.E. Students cannot receive credit for both HST 102 and HST 104.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 121 Survey of the History of the United States to 1877**

*General Education Course (Focus on Constitutions of US and Missouri and American History and Institutions).*

Formation of the United States and its civilization from the Age of Discovery through the Reconstruction Era, with emphasis on the influence of the Frontier and the Native American, European and African heritages; the constitutional development of the federal government; the evolution of the nation's economic system, social fabric and diplomatic experiences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 122 Survey of the History of the United States Since 1877**

*General Education Course (Focus on Constitutions of US and Missouri and American History and Institutions).*

Modernization of the United States and its role in world affairs from the late 19th Century to the present, with emphasis on industrialization and urbanization and their impact on socioeconomic and international developments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 200 The Twentieth Century World: An International History**

From the height of Western Imperialism in 1900 to the post Cold War years, this course surveys twentieth-century world history, examining the transformation of international, political, economic, and cultural relations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 210 Writing II: Historical Inquiry**

*Prerequisite: ENG 110 and 30 hours.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

Introduction to historical research and writing. Meets Writing II requirement for a major in history. This course emphasizes the techniques of conducting a thorough literature search, the analysis of primary and secondary materials, and instruction and practice in historical writing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 300 Service Learning in History**

*Prerequisite: 30 hours, concurrent registration in a History course designated as a service learning offering and permission of department head.*

This service component for an existing course incorporates community service with classroom instruction in History to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**HST 312 History of American Baseball**

Survey of the history of baseball in the United States from the early nineteenth century to the present. Focus is on the commercialization of the game, the development of labor-management relations, and the manner in which class, race, and gender have shaped participation in the sport.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 313 American Cultural History**

An introduction to the major issues, themes and methods of American cultural history. This course will explore multiple vantage points and interdisciplinary approaches to understanding American cultural history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 314 American Expansion and Empire**

Recommended Prerequisite: HST 121 or HST 122. This course surveys the territorial, economic, cultural, and political expansion of the United States from the founding of the country through the 20th century. Topics include the ideology, methods, and effects of expansion, with particular attention on the cultural interactions that resulted from expansion and the ways in which expansion affected American culture and Society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 315 Military History of the United States**

Recommended Prerequisite: HST 121 or 122. American Military History from the colonial period to the present; its relation to the national development in war and peace.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 323 Women in Africa**

Recommended Prerequisite: HST 103 or 104. This course will introduce students to women's participation in Africa's history and contemporary issues. The readings cover a broad geographical range of North, West, Central and Southern Africa. The course will include five topics: Women and the Family; Women, Politics, and Economics; Religious Women; Women in Colonial Rebellion; and Women and National Revolutions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 324 Women in American History**

A survey of the role of American women from the colonial era to the present. Topics include women's historical roles in work, family, politics, sexuality and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 329 The Automobile in American Life**

Recommended Prerequisite: HST 122. Examines the impact of the automobile on American society during the twentieth century. Topics include the manufacture, marketing and maintenance of automobiles, the transformation of rural and urban life, the decline of transit and the impact of the automobile on social life.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 330 Business and Society, Colonial Times to Present**

Recommended Prerequisite: HST 121 or 122. The main focus of this course is the development of the firm and its relationship to the economic, social, and legal environment within which businesses have operated. Special emphasis is placed on how the firm shaped and was shaped by American society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 331 African American History I**

Recommended Prerequisite: HST 121 or AAS 100. Survey of the experiences of Americans of African descent to 1865. Emphasis on African heritage; African-American contributions and institutions; slavery and quasi-freedom.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 332 African American History II**

Recommended Prerequisite: HST 122 or AAS 100. Continuation of HST 331, 1865-present. Emphasis on the struggles for racial justice; protest organizations, philosophies and tactics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 334 Conflict and Peace Building in Africa**

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100. This course examines the historical roots, dimensions, and causes of conflict in Africa. Thematically organized to capture developments across the different regions in the continent, the course offers critical insights into the preponderance of conflict in Africa since the Cold War. In addition, the course explores the various ways through which Africans, its partners, and international organizations have fostered peace and conflict resolution in Africa over the years.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 335 African Civilization**

Recommended Prerequisite: HST 103 or 104. Historical developments in Africa from antiquity to the present. Emphasis on south Saharan Africa for the period before European contact. Topics in modern nationalism and independence. Africa in the context of world history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 338 Sources and Methods in African History**

This course deals with knowledge generation, production, and dissemination about Africa and its peoples. It traces the origin, progress, and current state of scholarship on Africa and about Africans. It is about writing and understanding Africa and its history. It examines the kind of history that has been written about events in Africa. In other words, it is concerned with the study of and nature of history in Africa. Given this basic disposition, the course is a reflection on history in Africa as a discipline and the problems involved in the writing of African history globally.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 339 Africa and the Wider World**

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100. This course traces the history of Africa from the slave trade to independence. The course is thematically organized to capture developments across the different regions in the continent; and offers critical insights into the place of Africa in world history, especially in relations to and with global developments. As a survey course, the course offers insights into the different regions, paying particular attention to cultural, economic and political changes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 340 Industrialization in Global Perspective**

Recommended Prerequisite: HST 122. This course looks at origins and spread of industrialization as a global phenomena beginning with the preindustrial wave of global expansion that began around 1450 and continuing up to the present. It blends broad synthetic treatments with detailed case studies to trace the development and spread of industrial technology across cultures. Although the perspective is global most of the geographic concentration is on Britain, the U.S., Japan, and more recently, China.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 343 Ancient Rome**

Recommended Prerequisite: HST 103. Roman civilization to the downfall of the Empire. Broad social, economic, technological and cultural developments. The problems of the decline of ancient civilization.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 344 Ancient Civilizations**

Recommended Prerequisite: HST 103. From the origins of civilizations in the ancient Near East to the fall of the Roman Empire, this survey course traces the development of the history of the ancient world. It pays special attention to political systems and ideals by including detailed instructions in the origins of Monarchy, the Athenian democracy, the Roman Republic, and the Roman Empire.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 345 Slavery in the Atlantic World**

Recommended Prerequisite: HST 103 and HST 104; and HST 121 or AAS 100. This course examines various social, political, and economic developments of slave societies in the Americas (North, Central and South), the West Indies, and Africa from roughly the 1200s to the late-1800s with a primary focus upon the lives and roles played by people of the African Diaspora and their encounters with Europeans and Indigenous Americans.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 350 Latin American Civilization**

Foundations of Ibero-American civilization including the Amer-Indian, Iberian and African background; Emphasis on the origins of institutions and problems which affect the region as a whole.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 353 History of Europe in the 19th Century, 1815-1918**

Recommended Prerequisite: HST 104. Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization and imperialism. May be taught concurrently with HST 553. Cannot receive credit for both HST 353 and 553.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 355 Contemporary Europe: 1918 to the Present**

Recommended Prerequisite: HST 104. Europe between the wars, the coming of World War II, European problems since 1945.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 356 Nazi Germany**

Recommended Prerequisite: HST 104. This course has been envisioned as a multi-disciplinary course, dealing with the complex and often controversial aspects of Nazi rule. The course begins chronologically with the examination of the crisis in Weimar Democracy and the Nazi seizure of power. Then it discusses the transformation of German society under Nazi rule; the fate of youth organizations, schools, universities and churches; the impact of Nazism on popular and high cultures; Nazi social policy; war on racial and ethnic minorities and homosexuals. The third part deals with Nazi foreign policy; the Second World War; the genocide of Eastern Europeans; the Holocaust, and the collapse of the Third Reich. At the final meeting, students discuss the memory of the Third Reich.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 360 Britain, 55 B.C.-1688**

Recommended Prerequisite: HST 103. Impact of European invasions on social structure, social cohesion and demography; feudalism and its decline; emergence of early modern England in Tudor and Stuart periods; Civil War and the Glorious Revolution.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 361 Britain, 1688-Present**

Recommended Prerequisite: HST 103 or 104. Transition from pre-industrial to industrial society; tenacity of aristocratic power and influence; growth of the welfare state; economic and international decline.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 370 History of the Middle East from 600-1914**

A survey of political, social, and economic trends in the Middle East since the rise of Islam to 1914. Topics include the rise and spread of Islam, the age of the imperial caliphate, and the rise and fall of Islamic regional empires.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 371 History of the Middle East Since 1914**

A survey of political, social, and economic trends in the Middle East since 1914. Topics include the Middle East and Western military, economic, and ideological encroachment after World War I, regional conflicts, revolutions, politics and religion, and the emergence of the modern nation-states of the Middle East.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 375 The Ozarks in American History**

Recommended Prerequisite: HST 121 or 122. The Ozarks as an historic American region. Historical geography of the Ozarks. The Old Ozarks Frontier; the Modern Ozarks; the Cosmopolitan Ozarks; the New Ozarks Frontier. Relation of the Ozarks to major themes in U.S. History.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 380 East Asian Civilization I**

A comparative historical treatment of China and Japan from earliest times to 1600.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 381 East Asian Civilization II**

A comparative historical treatment of China and Japan from 1600 to the present.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 382 Asia Pacific War**

How did a seventeen year old Indonesian perceive the Japanese occupation? How did that experience differ from a Thai college student? This course will investigate the societies of occupied East and Southeast Asia from 1931-1945 from the perspective of those who experienced it directly. Memoirs, oral histories, visual material, and military reports will be used to understand the perceptions, motivations, and mentalities that drove collective and individual action, and situate that action within the framework of violence. Students will gain a deeper understanding of the cultures involved in the Asia Pacific War, and develop critical skills through analysis of specific issues in class discussion, written exercises and essays. Major course themes: the nature of violence; engaging opposing perspectives in debates about major issues; understanding prevailing theses about those debates.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 383 A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas**

This course closely examines the history of the Spanish and Portuguese Inquisitions from their establishment in the last fifteenth/early sixteenth centuries to their abolition in the early nineteenth century. The Inquisition was set up in both Spain and Portugal to systematically hunt down heretics and eradicate from Catholic society any form of heretical beliefs. The various groups persecuted by the inquisitorial tribunals in Spain and Portugal's world empires included, amongst others, crypto-Jews, crypto-Muslims, Protestants, bigamists, homosexuals, dissenting intellectuals and witches. This course will examine the actual historical institutions behind the modern myths of the Spanish and Portuguese Inquisitions; their organization, their modus operandi and their evolution during their more than three centuries of existence both in the Iberian Peninsula and in the Spanish and Portuguese World empires. Topics covered include the history of the Inquisition in Spain and the Spanish Americas, including the existence of the Spanish Inquisition in the early colonial Latin American territories as well as its spread into the colonial North American territories of the Florida, Texas, Louisiana, Arkansas, Missouri, New Mexico and the Californias; the topics will also include an examination of the history of the Inquisition in Spain and Portugal's Asian colonies such as the Philippines, India (Goa) and China (Macao).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 390 Introduction to Historiography**

*Prerequisite: 9 hours of history.*

The study of the philosophy, methods, and practice of history as a field of scholarly inquiry. Students are also required to take the Major Field Achievement Test.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 392 European History Primary Source Seminar**

*Prerequisite: HST 210.*

This is a variable content, writing-intensive seminar in European history. Students will be introduced to methods of primary source analysis and historical writing and prepare a seminar paper based on primary sources on a focused topic in European history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 393 United States History Primary Source Seminar**

*Prerequisite: HST 210.*

This is a variable content, writing-intensive seminar in United States history. Students will be introduced to methods of primary source analysis and historical writing and prepare a seminar paper based on primary sources on a focused topic in United States history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 394 World History Primary Source Seminar**

*Prerequisite: HST 210.*

This is a variable content, writing-intensive seminar in world history. Students will be introduced to methods of primary source analysis and historical writing and prepare a seminar paper based on primary sources on a focused topic in world history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 397 Special Topics in History**

Recommended Prerequisite: 3 hours of history. A variable content, variable credit course. Specific subject matter will change from term to term, depending upon the interests of professor and student. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HST 418 Teaching of Secondary School Social Studies**

*Prerequisite: 12 hours history and SEC 302, EDC 350, SPE 340, current preprofessional liability insurance, and admission to Teacher Education Program.*

Resources for teaching the social sciences; methods of evaluation; unit and daily lesson planning appropriate for multicultural settings; reflective decision-making in the application of teaching methods and techniques. Completion of minimum of 45 hour practicum assigned at Greenwood or Springfield area secondary school is required. Course completion is required as part of Transition 2. A grade of "C" or better is required in this course in order to take HST 422 or HST 499 and HST 423. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**HST 420 Supervised Teaching (Secondary Social Studies)**

*Prerequisite: HST 418; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.*

Student observes then teaches social studies classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**HST 421 Supervised Teaching (Secondary Social Studies)**

*Prerequisite: concurrent enrollment in HST 420.*

Student observes then teaches under the direction of the cooperation teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**HST 422 Supervised Teaching (Secondary Social Studies)**

*Prerequisite: HST 418; a grade of "C" or better in all professional education courses; minimum GPA of 3.00 in Social Sciences; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in HST 423.*

Student observes then teaches social studies classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. Only students seeking secondary social studies certification may enroll in this course. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 5-10
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**HST 423 Seminar in Supervised Teaching**

*Prerequisite: HST 418; a grade of "C" or better in all professional education courses; minimum GPA of 3.00 in Social Sciences; approval for supervised teaching; and concurrent enrollment in HST 422.*

A seminar designed for the purpose of discussion and analysis of field experiences during the supervised teaching semester. Topics include: Theory Into Practice, Diversity in the Classroom, Classroom Management, Classroom Assessment, Job Search and Professional Development. Students will attend workshops throughout the semester. Only students seeking secondary social studies certification may enroll in this course. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HST 496 Independent Readings in History**

*Prerequisite: permission of instructor and department head.*

Students should consult with a professor of the department who specializes in the subject; with professor's consent present a written proposal to the department head for approval before final registration for the term in which the reading is to be done. Only one approved Reading Program may be taken in any semester. A maximum of 6 semester hours may be taken in HST 496. Areas offered for independent readings: United States, Latin American, Ancient, Medieval, European, Asian and African history.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HST 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**HST 509 Indian History**

*Prerequisite: 50 hours.*

History of Indian/White relations, federal Indian policy, and Indian accommodation to European introductions and eventual American dominance from the beginning of contact with Europeans to the present. May be taught concurrently with HST 609. Cannot receive credit for both HST 609 and HST 509.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 510 The Plains Indians**

*Prerequisite: 50 hours.*

History and culture of Plains Indians from the pre-Columbian period to the end of the frontier era near the turn of the last century, including the impact of the European invasion. May be taught concurrently with HST 611. Cannot receive credit for both HST 611 and HST 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 514 17th-19th Century British Atlantic**

*Prerequisite: 50 hours.*

Study of the British Empire in the 17th-19th century Atlantic World. Topics will include the Enlightenment; mercantilism and free-trade economics; migration, including the American Revolution Loyalist diaspora; the rise and fall of privateering, the Sugar Interest, and the Atlantic slave trade; slavery abolition and post-emancipation society in the West Indies; and Canadian confederation and home rule. May be taught concurrently with HST 614. Cannot receive credit for both HST 514 and HST 614.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 515 American Environmental History**

*Prerequisite: 50 hours.*

Survey of humankind's relationship with nature and the environment in what is now the United States from pre-Columbian times to the present. Will especially focus on the impact of American development on the environment, the impact of the environment on the development of the United States, and the significance of the many different ideas and images concerning nature and the environment throughout American history. May be taught concurrently with HST 615. Cannot receive credit for both HST 615 and HST 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 516 American Religious History**

*Prerequisite: 50 hours.*

Impact of religious thought and religious leaders on the history of the United States. May be taught concurrently with HST 616. Cannot receive credit for both HST 516 and HST 616.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 517 Legal and Constitutional History of the United States**

*Prerequisite: 50 hours.*

The origins of American constitutionalism, The Philadelphia Convention, the historical context of the changes in the law, in the Constitution, and in the courts since 1789, and the development of the law profession and legal education. May be taught concurrently with HST 617. Cannot receive credit for both HST 617 and HST 517.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 518 Colonial America**

*Prerequisite: 50 hours.*

Character, development and modification of the English Empire in North America. May be taught concurrently with HST 618. Cannot receive credit for both HST 618 and HST 518.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 519 The American Revolution**

*Prerequisite: 50 hours.*

Origins of the Revolution, War of Independence, and the society, government, and economy of the Revolutionary and Confederation eras. May be taught concurrently with HST 619. Cannot receive credit for both HST 619 and HST 519.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 521 Early American Republic**

*Prerequisite: 50 hours.*

Study of America, 1780s-1840s. Topics will include the development of constitutional government and federalism, mix of republican ideology and capitalism, causes and results of the War of 1812, first and second political party systems, social reform, and economic development. May be taught concurrently with HST 621. Cannot receive credit for both HST 621 and HST 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 523 Nineteenth Century America**

*Prerequisite: 50 hours.*

Emphasis upon how the ideas and values that constituted the original meaning of America (namely, the republicanism of the American Revolution) were transformed in response to the Commercial and Industrial Revolutions of nineteenth century America, producing two major crises of the century: the Civil War and Populist Revolt. Included is the transition of the United States from an agrarian society of economically and politically independent farmers to a depersonalized industrial nation of largely dependent salaried employees and wage earners. May be taught concurrently with HST 623. Cannot receive credit for both HST 623 and HST 523.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 524 Civil War and Reconstruction**

*Prerequisite: 50 hours.*

The sectional conflict, the Civil War, and Reconstruction examined from political, military, social, and economic perspectives, with emphasis on differing historical interpretations of the causes of the war, the South's defeat, and the limits of Reconstruction. May be taught concurrently with HST 624. Cannot receive credit for both HST 624 and HST 524.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 525 Gilded Age/Progressive Era America, 1865-1920**

*Prerequisite: 50 hours.*

Political, economic, social and intellectual development of the United States from the end of the Civil War through World War I and its aftermath. May be taught concurrently with HST 625. Cannot receive credit for both HST 625 and HST 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 528 U.S. History Since 1945**

*Prerequisite: 50 hours.*

The Cold War, politics from Truman through the Reagan presidency; the social conflict of the 1960s; the civil rights movement; the Great Society; Vietnam; and the Reagan revolution. May be taught concurrently with HST 628. Cannot receive credit for both HST 628 and HST 528.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 531 African American Leaders and Movements**

*Prerequisite: 50 hours.*

Study of African American leaders and movements in the United States, with emphasis on the period since World War II. May be taught concurrently with HST 631. Cannot receive credit for both HST 631 and HST 531.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 536 History of Missouri**

*Prerequisite: 50 hours.*

Economic, social, political and constitutional history of the state; role played by Missouri in national affairs. May be taught concurrently with HST 636. Cannot receive credit for both HST 636 and HST 536.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 537 History of the American West**

*Prerequisite: 50 hours.*

Westward movement in America as history and myth; influence of the West on American society and character. May be taught concurrently with HST 637. Cannot receive credit for both HST 637 and HST 537.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 538 History of the American South, 1607-Present**

*Prerequisite: 50 hours.*

Development of the South's social, economic and intellectual distinctiveness, with an emphasis on slavery, the plantation system, sectional conflict, modernization, Populism, disfranchisement, segregation, Dixie Demagogues and the Civil Rights Movement. May be taught concurrently with HST 638. Cannot receive credit for both HST 638 and HST 538.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 541 The Ancient Near East to 1200 BCE**

*Prerequisite: 50 hours.*

Sumerians, Babylonians, Egyptians and Hittites; special reference to Hebrew scripture. Interrelationships among ancient civilizations; readings from original sources in English translation. May be taught concurrently with HST 641. Cannot receive credit for both HST 641 and HST 541.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 542 Ancient Israel**

*Prerequisite: 50 hours.*

History of Israel to the end of the Persian period with special reference to the Canaanites, Mycenaeans, Philistines, Phoenicians, Assyrians, Chaldeans, and Persians. May be taught concurrently with HST 642. Cannot receive credit for both HST 642 and HST 542.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 543 History of the Arab-Israeli Conflict**

*Prerequisite: 50 hours.*

The Arab-Israeli conflict in its historical and contemporary terms. The course covers three periods: The first period examines the roots of Arab and Jewish historical/biblical claims to Palestine before 1939. The second period from 1939 to 1982 analyzes the causes and effects of the Arab-Israeli wars. The third period from 1982 to 1991 covers the Israeli invasion of Lebanon, the Palestinian uprising (Intifada), and the peace process. May be taught concurrently with HST 643. Cannot receive credit for both HST 643 and HST 543.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 544 Women in Islam**

*Prerequisite: 50 hours.*

This course examines the complexities of Middle Eastern culture through the lens of gender, focusing on women in Islamic society. Course will examine and critique current scholarly and journalistic literature (largely by Muslim women), films and documentaries, and current events in order to better understand current social, political, and economic developments in the Middle East. Special emphasis is on Egypt and Iran, which have enjoyed the lion's share of academic and legal attention. While the focus is on the modern Middle East, coverage also includes a historical review of scriptural roots and socio-political structures from the Middle Ages until today. The course has been designed as a quasi-seminar, where students meet in round-table fashion and discuss together readings that have been prepared in advance, in combination with lecture. May be taught concurrently with HST 644. Cannot receive credit for both HST 544 and HST 644.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 545 Medieval Europe**

*Prerequisite: 50 hours.*

Recommended Prerequisite: HST 103. History of Medieval France, Germany, and the Papacy from the 5th Century to the 16th Century. May be taught concurrently with HST 645. Cannot receive credit for both HST 545 and HST 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 548 The Renaissance**

*Prerequisite: 50 hours.*

Recommended Prerequisite: HST 103. Europe from about 1320 to about 1550, in the transition period from Medieval civilization to Modern Civilization; history of ideas and culture. May be taught concurrently with HST 648. Cannot receive credit for both HST 648 and HST 548.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 549 The Reformation**

*Prerequisite: 50 hours.*

Early modern period of European history, 1500-1648. Religious controversy, religious wars, growth of the secular state. May be taught concurrently with HST 649. Cannot receive credit for both HST 649 and HST 549.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 551 The French Revolution and the Napoleonic Era**

*Prerequisite: 50 hours.*

Causes and phases of the Revolution in France; the expansion of the Revolution; rise and downfall of Napoleon. May be taught concurrently with HST 651. Cannot receive credit for both HST 651 and HST 551.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 553 History of Europe in the 19th Century, 1815-1918**

*Prerequisite: 50 hours.*

Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization, and imperialism. May be taught concurrently with HST 353. Cannot receive credit for both HST 353 and 553. May be taught concurrently with HST 653. Cannot receive credit for both HST 653 and HST 553.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 559 Germany, 1815-Present**

*Prerequisite: 50 hours.*

The unification process, the German Empire, Weimar Republic, Third Reich, Germany as a European Great Power. May be taught concurrently with HST 659. Cannot receive credit for both HST 659 and HST 559.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 562 Communism in Eastern Europe, 1917-1990**

*Prerequisite: 50 hours.*

This course examines the emergence, development and demise of communist regimes in Eastern Europe. Conceived as a multi-disciplinary class, the course will look at a wide range of topics including, but not limited to, the creation of the police state, economic and social developments and the position of intellectuals, women and young people in communist societies, the "velvet revolutions" and the collapse of the system in the late 1980s. Special emphasis will be placed on culture, including literature and film as vehicles of protest against oppression.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 563 History of Fascism**

*Prerequisite: 50 hours.*

This course deals mainly with interwar fascist movements and regimes in Europe and examines such relevant questions as the intellectual origins of fascism; paramilitary violence after WWI; charismatic leadership; state terrorism; fascist art and propaganda; social policy; imperialism and war and genocide. It also examines the history of Right radical, fascist and post-fascist movement and regimes in Europe, Latin America (Argentina, Chile, Brazil and Peru), United States, South Africa, the Middle East (Egypt, Syria and Iraq) and Africa (Ghana, Nigeria, Congo, Uganda) after 1945. May be taught concurrently with HST 663. Cannot receive credit for both HST 563 and HST 663.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 564 History of the Holocaust**

*Prerequisite: 50 hours.*

Envisioned as a multi-disciplinary class, this course examines the complex history of the Holocaust during the Second World War. It discusses such important topics as the life of Jewish communities in Germany and Eastern Europe before 1933; Jewish emancipation; the rise of political anti-Semitism; Hitler and the creation of the Third Reich; discrimination against racial outsiders and "asocials"; the life of Jews in Nazi Germany; the "twisted road to Auschwitz"; the historical debates on the origins of the genocide; the social and psychological make-up of the perpetrators; the role of bystanders both in Germany and other parts of Europe; Jewish resistance and finally the memory of the Holocaust in Germany, Israel, United States and Eastern Europe. May be taught concurrently with HST 664. Cannot receive credit for both HST 564 and HST 664.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 566 Victorian and Edwardian England**

*Prerequisite: 50 hours.*

This course will examine the impact of industrialization; wealth, poverty and the rise of class; reform movements; origins of the welfare state; emergence of the Labour party, and the slow eclipse of aristocratic power and influence. May be taught concurrently with HST 666. Cannot receive credit for both HST 666 and HST 566.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 571 China in the Twentieth Century**

*Prerequisite: 50 hours.*

An intensive study of the transformation of China from a Confucian, Feudal state to a Communist world power. May be taught concurrently with HST 671. Cannot receive credit for both HST 671 and HST 571.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 573 History and Archaeology of the Middle East**

Recommended Prerequisite: HST 103. Archaeology as a tool for historical inquiry is the focus of this course. In this course students will become familiar with the problems and methods of the discipline as they related to the larger questions of Middle Eastern history, including migration and settlement, the impact of war, land use and ecological issues, religion and identity, transformations of the traditional Middle Eastern household, and the relations between local society and the state. Topics covered in lectures and students' projects include the use of textual sources, palaeography, and other methodological challenges; historic preservation and heritage management; legal issues and the politics of archaeology; and museum work. Case studies in the course chronologically range from ancient to Ottoman-era sites, but the focus of the course is the medieval era (Byzantine, Crusader, Islamic). A series of lectures, hands-on work with the Jordan study collection, and documentaries will expose the student to the wide range of disciplines pulled into the service of archaeology and different methodologies. Special emphasis is placed on current fieldwork at Tall Hisban in Jordan and the Northern Jordan Project. Enrollment in this course is strongly encouraged for students interested in joining the Jordan Archaeology Field School as Study Away in the summers. May be taught concurrently with HST 673. Cannot receive credit for both HST 573 and HST 673.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 574 Jordan Archaeology Study Away**

*Prerequisite: permission of instructor.*

Recommended Prerequisite: HST 103 and HST 573. This course is a formal archaeological field school--with field, lab, and classroom components--held on-site in Jordan as an MSU Study Away Program in the summers. The field school provides hands-on training in archaeological excavation and post-season object analysis techniques; students will also participate in several projects related to site presentation, architectural preservation, and community outreach that are running concurrently with the project. The field school rotates between the Tall Hisban excavations and the Northern Jordan Project (NJP), held at each site in alternative summers. Excursions to sites of archaeological, historical, religious, and cultural interest are organized on weekends. Students attending the field school are strongly encouraged to take HST 573 beforehand. The program, depending on the research objectives that year, will run 3-6 weeks. May be taught concurrently with HST 674. Cannot receive credit for both HST 574 and HST 674.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**HST 587 Mexico from Colony to Nation**

*Prerequisite: 50 hours.*

Mexican history from the colonial period to the Revolution of 1910. May be taught concurrently with HST 682. Cannot receive credit for both HST 682 and HST 587.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 588 Twentieth-Century Mexico**

*Prerequisite: 50 hours.*

Mexico from the Revolution of 1910 to the present, emphasizing Mexico's influence upon the Cuban Nicaraguan and other revolutions; its role as a member of the Middle American Community and of Latin America at large. May be taught concurrently with HST 688. Cannot receive credit for both HST 688 and HST 588.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 597 Topics in History**

*Prerequisite: 50 hours.*

The topics studied will change from term to term depending on the interests of professors and students. May be repeated as topics change. Variable content course. May be taught concurrently with HST 697. Cannot receive credit for both HST 697 and HST 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HST 598 Senior Seminar in History**

*Prerequisite: HST 390; and Writing II or concurrent enrollment; and 90 hours.*

Concentrated study of a sharply focused topic and the preparation of a bachelor's paper based on primary research. Course content varies each semester. Required for the BA in History. This course is strongly recommended for anyone considering graduate school. Graduating seniors are given enrollment priority. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 599 Internship in Public History**

*Prerequisite: 60 hours and permission of the department head and host institution.*

Supervised and approved work in a public or private agency which manages a museum, archive, or historic sites. One credit hour is awarded for each 40 hours of service. May be repeated for credit but only 3 hours may be counted towards the BA, BSEd, or MA major in History. May be taught concurrently with HST 698. Cannot receive credit for both HST 698 and HST 599.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HST 609 Indian History**

History of Indian/White relations, federal Indian policy, and Indian accommodation to European introductions and eventual American dominance from the beginning of contact with Europeans to the present. May be taught concurrently with HST 509. Cannot receive credit for both HST 509 and HST 609.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 611 The Plains Indians**

History and culture of Plains Indians from the pre-Columbian period to the end of the frontier era near the turn of the last century, including the impact of the European invasion. May be taught concurrently with HST 510. Cannot receive credit for both HST 510 and HST 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 614 17th-19th Century British Atlantic**

Study of the British Empire in the 17th-19th century Atlantic World. Topics will include the Enlightenment; mercantilism and free-trade economics; migration, including the American Revolution Loyalist diaspora; the rise and fall of privateering, the Sugar Interest, and the Atlantic slave trade; slavery abolition and post-emancipation society in the West Indies; and Canadian confederation and home rule. May be taught concurrently with HST 514. Cannot receive credit for both HST 614 and HST 514.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 615 American Environmental History**

Survey of humankind's relationship with nature and the environment in what is now the United States from pre-Columbian times to the present. Will especially focus on the impact of American development on the environment, the impact of the environment on the development of the United States, and the significance of the many different ideas and images concerning nature and the environment throughout American history. May be taught concurrently with HST 515. Cannot receive credit for both HST 515 and HST 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 616 American Religious History**

Impact of religious thought and religious leaders on the history of the United States. May be taught concurrently with HST 516. Cannot receive credit for both HST 516 and HST 616.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 617 Legal and Constitutional History of the United States**

The origins of American constitutionalism, The Philadelphia Convention, the historical context of the changes in the law, in the Constitution, and in the courts since 1789, and the development of the law profession and legal education. May be taught concurrently with HST 517. Cannot receive credit for both HST 517 and HST 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 618 Colonial America**

Character, development and modification of the English Empire in North America. May be taught concurrently with HST 518. Cannot receive credit for both HST 518 and HST 618.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 619 The American Revolution**

Origins of the Revolution, War of Independence, and the society, government, and economy of the Revolutionary and Confederation eras. May be taught concurrently with HST 519. Cannot receive credit for both HST 519 and HST 619.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 621 Early American Republic**

Study of America, 1780s-1840s. Topics will include the development of constitutional government and federalism, mix of republican ideology and capitalism, causes and results of the War of 1812, first and second political party systems, social reform, and economic development. May be taught concurrently with HST 521. Cannot receive credit for both HST 521 and HST 621.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 623 Nineteenth Century America**

Emphasis upon how the ideas and values that constituted the original meaning of America (namely, the republicanism of the American Revolution) were transformed in response to the Commercial and Industrial Revolutions of nineteenth century America, producing two major crises of the century: the Civil War and Populist Revolt. Included is the transition of the United States from an agrarian society of economically and politically independent farmers to a depersonalized industrial nation of largely dependent salaried employees and wage earners. May be taught concurrently with HST 523. Cannot receive credit for both HST 523 and HST 623.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 624 Civil War and Reconstruction**

The sectional conflict, the Civil War, and Reconstruction examined from political, military, social, and economic perspectives, with emphasis on differing historical interpretations of the causes of the war, the South's defeat, and the limits of Reconstruction. May be taught concurrently with HST 524. Cannot receive credit for both HST 524 and HST 624.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 625 Gilded Age/Progressive Era America, 1865-1920**

Political, economic, social and intellectual development of the United States from the end of the Civil War through World War I and its aftermath. May be taught concurrently with HST 525. Cannot receive credit for both HST 525 and HST 625.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 628 U.S. History Since 1945**

The Cold War, politics from Truman through the Reagan presidency; the social conflict of the 1960s; the civil rights movement; the Great Society; Vietnam; and the Reagan revolution. May be taught concurrently with HST 528. Cannot receive credit for both HST 528 and HST 628.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 631 African American Leaders and Movements**

Study of African American leaders and movements in the United States, with emphasis on the period since World War II. May be taught concurrently with HST 531. Cannot receive credit for both HST 531 and HST 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 636 History of Missouri**

Economic, social, political and constitutional history of the state; role played by Missouri in national affairs. May be taught concurrently with HST 536. Cannot receive credit for both HST 536 and HST 636.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 637 History of the American West**

Westward movement in America as history and myth; influence of the West on American society and character. May be taught concurrently with HST 537. Cannot receive credit for both HST 537 and HST 637.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 638 History of the American South, 1607-Present**

Development of the South's social, economic and intellectual distinctiveness, with an emphasis on slavery, the plantation system, sectional conflict, modernization, Populism, disfranchisement, segregation, Dixie Demagogues and the Civil Rights Movement. May be taught concurrently with HST 538. Cannot receive credit for both HST 538 and HST 638.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 641 The Ancient Near East to 1200 BCE**

Sumerians, Babylonians, Egyptians and Hittites; special reference to Hebrew scripture. Interrelationships among ancient civilizations; readings from original sources in English translation. May be taught concurrently with HST 541. Cannot receive credit for both HST 541 and HST 641.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 642 Ancient Israel**

History of Israel to the end of the Persian period with special reference to the Canaanites, Mycenaeans, Philistines, Phoenicians, Assyrians, Chaldeans, and Persians. May be taught concurrently with HST 542. Cannot receive credit for both HST 542 and HST 642.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 643 History of the Arab-Israeli Conflict**

The Arab-Israeli conflict in its historical and contemporary terms. The course covers three periods: The first period examines the roots of Arab and Jewish historical/biblical claims to Palestine before 1939. The second period from 1939 to 1982 analyzes the causes and effects of the Arab-Israeli wars. The third period from 1982 to 1991 covers the Israeli invasion of Lebanon, the Palestinian uprising (Intifada), and the peace process. May be taught concurrently with HST 543. Cannot receive credit for both HST 543 and HST 643.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 644 Women in Islam**

This course examines the complexities of Middle Eastern culture through the lens of gender, focusing on women in Islamic society. Course will examine and critique current scholarly and journalistic literature (largely by Muslim women), films and documentaries, and current events in order to better understand current social, political, and economic developments in the Middle East. Special emphasis is on Egypt and Iran, which have enjoyed the lion's share of academic and legal attention. While the focus is on the modern Middle East, coverage also includes a historical review of scriptural roots and socio-political structures from the Middle Ages until today. The course has been designed as a quasi-seminar, where students meet in round-table fashion and discuss together readings that have been prepared in advance, in combination with lecture. May be taught concurrently with HST 544. Cannot receive credit for both HST 644 and HST 544.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 645 Medieval Europe**

History of Medieval France, Germany, and the Papacy from the 5th Century to the 16th Century. May be taught concurrently with HST 545. Cannot receive credit for both HST 545 and HST 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 648 The Renaissance**

Europe from about 1320 to about 1550, in the transition period from Medieval civilization to Modern Civilization; history of ideas and culture. May be taught concurrently with HST 548. Cannot receive credit for both HST 548 and HST 648.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 649 The Reformation**

Early modern period of European history, 1500-1648. Religious controversy, religious wars, growth of the secular state. May be taught concurrently with HST 549. Cannot receive credit for both HST 549 and HST 649.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 651 The French Revolution and the Napoleonic Era**

Causes and phases of the Revolution in France; the expansion of the Revolution; rise and downfall of Napoleon. May be taught concurrently with HST 551. Cannot receive credit for both HST 551 and HST 651.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 653 History of Europe in the 19th Century, 1815-1918**

Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization, and imperialism. May be taught concurrently with HST 553. Cannot receive credit for both HST 553 and HST 653.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 659 Germany, 1815-Present**

The unification process, the German Empire, Weimar Republic, Third Reich, Germany as a European Great Power. May be taught concurrently with HST 559. Cannot receive credit for both HST 559 and HST 659.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 663 History of Fascism**

This course deals mainly with interwar fascist movements and regimes in Europe and examines such relevant questions as the intellectual origins of fascism; paramilitary violence after WWI; charismatic leadership; state terrorism; fascist art and propaganda; social policy; imperialism and war and genocide. It also examines the history of Right radical, fascist and post-fascist movement and regimes in Europe, Latin America (Argentina, Chile, Brazil and Peru), United States, South Africa, the Middle East (Egypt, Syria and Iraq) and Africa (Ghana, Nigeria, Congo, Uganda) after 1945. May be taught concurrently with HST 563. Cannot receive credit for both HST 663 and HST 563.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 664 History of the Holocaust**

Envisioned as a multi-disciplinary class, this course examines the complex history of the Holocaust during the Second World War. It discusses such important topics as the life of Jewish communities in Germany and Eastern Europe before 1933; Jewish emancipation; the rise of political anti-Semitism; Hitler and the creation of the Third Reich; discrimination against racial outsiders and "asocials"; the life of Jews in Nazi Germany; the "twisted road to Auschwitz"; the historical debates on the origins of the genocide; the social and psychological make-up of the perpetrators; the role of bystanders both in Germany and other parts of Europe; Jewish resistance and finally the memory of the Holocaust in Germany, Israel, United States and Eastern Europe. May be taught concurrently with HST 564. Cannot receive credit for both HST 664 and HST 564.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 666 Victorian and Edwardian England**

This course will examine the impact of industrialization; wealth, poverty and the rise of class; reform movements; origins of the welfare state; emergence of the Labour party, and the slow eclipse of aristocratic power and influence. May be taught concurrently with HST 566. Cannot receive credit for both HST 566 and HST 666.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 671 China in the Twentieth Century**

An intensive study of the transformation of China from a Confucian, Feudal state to a Communist world power. May be taught concurrently with HST 571. Cannot receive credit for both HST 571 and HST 671.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 673 History and Archaeology of the Middle East**

Archaeology as a tool for historical inquiry is the focus of this course. In this course students will become familiar with the problems and methods of the discipline as they related to the larger questions of Middle Eastern history, including migration and settlement, the impact of war, land use and ecological issues, religion and identity, transformations of the traditional Middle Eastern household, and the relations between local society and the state. Topics covered in lectures and students' projects include the use of textual sources, palaeography, and other methodological challenges; historic preservation and heritage management; legal issues and the politics of archaeology; and museum work. Case studies in the course chronologically range from ancient to Ottoman-era sites, but the focus of the course is the medieval era (Byzantine, Crusader, Islamic). A series of lectures, hands-on work with the Jordan study collection, and documentaries will expose the student to the wide range of disciplines pulled into the service of archaeology and different methodologies. Special emphasis is placed on current fieldwork at Tall Hisban in Jordan and the Northern Jordan Project. Enrollment in this course is strongly encouraged for students interested in joining the Jordan Archaeology Field School as Study Away in the summers. May be taught concurrently with HST 573. Cannot receive credit for both HST 673 and HST 573.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 674 Jordan Archaeology Study Away**

*Prerequisite: permission of instructor.*

Recommended Prerequisite: HST 673. This course is a formal archaeological field school--with field, lab, and classroom components--held on-site in Jordan as an MSU Study Away Program in the summers. The field school provides hands-on training in archaeological excavation and post-season object analysis techniques; students will also participate in several projects related to site presentation, architectural preservation, and community outreach that are running concurrently with the project. The field school rotates between the Tall Hisban excavations and the Northern Jordan Project (NJP), held at each site in alternative summers. Excursions to sites of archaeological, historical, religious, and cultural interest are organized on weekends. Students attending the field school are strongly encouraged to take HST 673 beforehand. The program, depending on the research objectives that year, will run 3-6 weeks. May be taught concurrently with HST 574. Cannot receive credit for both HST 674 and HST 574.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**HST 682 Mexico from Colony to Nation**

Mexican history from the colonial period to the Revolution of 1910. May be taught concurrently with HST 587. Cannot receive credit for both HST 587 and HST 682.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 688 Twentieth-Century Mexico**

Mexico from the Revolution of 1910 to the present, emphasizing Mexico's influence upon the Cuban Nicaraguan and other revolutions; its role as a member of the Middle American Community and of Latin America at large. May be taught concurrently with HST 588. Cannot receive credit for both HST 588 and HST 688.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 697 Topics in History**

The topics studied will change from term to term depending on the interests of professors and students. May be repeated as topics change. Variable Content Course. May be taught concurrently with HST 597. Cannot receive credit for both HST 597 and HST 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HST 698 Internship in Public History**

*Prerequisite: permission of department head.*

Supervised and approved work in a public or private agency which manages a museum, archive, or historic sites. One credit hour is awarded for each 40 hours of service. May be repeated for credit but only 3 hours may be counted towards the MA major in History. May be taught concurrently with HST 599. Cannot receive credit for both HST 599 and HST 698.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HST 701 Historiography and Historical Method**

Various philosophies of history and theories concerning method, purpose and meaning of history; problems of research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HST 702 Secondary School Curriculum for the Social Studies**

Foundation course in the development and organization of the secondary school curriculum with an emphasis toward issues within social studies curriculum. This course meets the MSED degree requirements for social studies or history majors only.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 710 Ancient History Research Seminar**

*Prerequisite: HST 701.*

A seminar in ancient history, providing a study in depth of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated once for credit.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 720 American History Readings Seminar**

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in American History for the graduate student. May be repeated once for credit.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 725 The Upland South Readings Seminar**

Recommended Prerequisite: HST 701. Readings in the history of the Upland South (the Ozarks and Appalachia) for the graduate student.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 730 American History Research Seminar**

*Prerequisite: HST 701.*

In-depth study of a chosen topic as well as the historiography of the topic for graduate students.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 740 European History Readings Seminar**

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in European history for the graduate student. May be repeated once for credit.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 750 European History Research Seminar**

*Prerequisite: HST 701.*

In-depth study of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated for credit with department consent.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 760 Latin American History Readings Seminar**

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in Iberian and Latin American history for the graduate student. May be repeated once for credit.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 770 Ancient Near East History Readings Seminar**

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in Ancient Near East history for graduate student. May be repeated once for credit.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 775 Middle East History Readings Seminar**

Recommended Prerequisite: HST 701. This proseminar in the Middle East introduces students to the historiography of the medieval Middle East (defined as the Arab heartland, Persia, and Anatolia), familiarizing them with the range of primary and secondary sources available for study, methodological approaches to using them, and the most important debates in modern scholarship generated by them. Through seminar discussions and debates based on intensive reading, students learn and practice historical method, tailored to this field. Among the topics covered in this course are the nature (and pitfalls) of medieval Arabic texts; how archives are created; the development of medieval Islamic historiography by contemporary Muslim and modern historians; the problematic of medieval political theory in the Arab, Persian, and Turkish worlds; the development of classical Islamic institutions; alternative state forms and how they developed; the impact of developments in the Middle East for world history; and the transition in this region to the modern era.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 780 World History Research Seminar**

*Prerequisite: HST 701.*

In-depth study, in African, East Asian, Latin American, or Middle Eastern history, of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated up to 6 hours for credit with departmental consent.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HST 783 Women's History Primary Source Seminar**

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to women's history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 784 The American Revolution Primary Source Seminar**

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to the American Revolution, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 785 The Civil War in Missouri Primary Source Seminar**

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to the Civil War in Missouri, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 786 American Social History Primary Source Seminar**

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to American social history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 787 American Education Primary Source Seminar**

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to American education, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 790 World History Readings Seminar**

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in world history, comparative history, or a study involving at least two global areas such as diaspora studies. May be repeated up to 9 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 792 World History Primary Source Seminar**

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources related to world history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing and teaching of history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HST 796 Readings in History**

*Prerequisite: permission of supervising professor and permission of department head.*

Arranged program of readings for the individual student directed by a professor of the graduate faculty. May be repeated once for credit.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HST 799 Thesis**

*Prerequisite: permission of Director of History Graduate Program.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# History

## Major(s)

### History (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (39 hours):

1. Core Requirements (18 hours)
    a. HST 121(3) and 122(3)
    b. HST 210(3), 390(3), 598(3)
    c. One of the following: HST 392(3), 393(3), 394(3)
2. Complete 6 hours of courses chosen from two of the following areas:
    a. Africa: HST 323(3), 335(3)
    b. Asia: HST 380(3), 381(3), 571(3)
    c. Latin America: HST 350(3), 587(3), 588(3)
    d. Middle East: HST 370(3), 371(3), 541(3), 542(3), 543(3), 544(3), 573(3), 574(3)
    e. Interregional and Cross-Regional: HST 340(3), 344(3), 345(3), 383(3), 563(3)
3. Complete 3 hours in European history: HST 343(3), 353(3), 355(3), 356(3), 360(3), 361(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 566(3)
4. Complete 3 hours in United States history: HST 313(3), 314(3), 315(3), 324(3), 329(3), 330(3), 331(3), 332(3), 375(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3)

5. Complete an additional 9 hours of upper division history courses: HST 313(3), 314(3), 315(3), 323(3), 324(3), 329(3), 330(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 343(3), 344(3), 345(3), 350(3), 353(3), 355(3), 356(3), 360(3), 361(3), 370(3), 371(3), 375(3), 380(3), 381(3), 382(3), 383(3), 397(3), 496(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), 541(3), 542(3), 543(3), 544(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 563(3), 564(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3), 597(3), 599(3)

6. Of courses in numbered items 2, 3, 4, and 5 above:

    a. At least two must be pre-modern history courses: HST 313(3), 315(3), 323(3), 324(3), 330(3), 331(3), 335(3), 338(3), 340(3), 343(3), 344(3), 345(3), 350(3), 360(3), 370(3), 380(3), 383(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 538(3), 541(3), 542(3), 544(3), 545(3), 548(3), 549(3), 573(3), 574(3), 587(3)

    b. At least two must be modern history courses: HST 313(3), 314(3), 315(3), 323(3), 324(3), 329(3), 330(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 350(3), 353(3), 355(3), 356(3), 361(3), 370(3), 371(3), 375(3), 381(3), 383(3), 509(3), 510(3), 515(3), 516(3), 517(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), 543(3), 544(3), 551(3), 553(3), 559(3), 562(3), 563(3), 566(3), 571(3), 587(3), 588(3)

    c. Public Affairs Capstone Experience will be fulfilled by completion of HST 598(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## History (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (63-78 hours):

1. BS History Common Requirements (12 hours):

    a. One of the following: PHI 105(3) or 115(3)

b. Both of the following: HST 103(3) and 104(3)

c. One of the following: ANT 320(3), ENG 321(3), MTH 340(3), MTH 545(3), PHI 305(3), PHI 341(3), PSY 200(3), SOC 302(3).

2. Core History Courses (18 hours):
   a. HST 121(3), 122(3), 210(3), 390(3), 598(3)
   b. One of the following: HST 392(3), 393(3), 394(3)
3. Complete six hours chosen from two of the following areas:
   a. Africa: HST 323(3), 334(3), 335(3), 338(3), 339(3)
   b. Asia: HST 380(3), 381(3), 571(3)
   c. Latin America: HST 350(3), 587(3), 588(3)
   d. Middle East: HST 370(3), 371(3), 541(3), 542(3), 543(3), 544(3), 573(3), 574(3)
   e. Interregional and Cross-Regional: HST 340(3), 344(3), 345(3), 383(3), 563(3)
4. Complete three hours in European history: HST 343(3), 353(3), 355(3), 356(3), 360(3), 361(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 566(3).
5. Complete three hours in United States history: HST 313(3), 314(3), 315(3), 324(3), 329(3), 330(3), 331(3), 332(3), 375(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3).
6. Complete an additional nine hours of upper division history courses: HST 313(3), 314(3), 315(3), 323(3), 324(3), 329(3), 330(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 343(3), 344(3), 345(3), 350(3), 353(3), 355(3), 356(3), 360(3), 361(3), 370(3), 371(3), 375(3), 380(3), 381(3), 382(3), 383(3), 397(3), 496(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), 541(3), 542(3), 543(3), 544(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 563(3), 564(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3), 597(3), 599(3).
7. Of courses in numbered items 4, 5 and 6 above
   a. At least two must be pre-modern history courses: HST 313(3), 315(3), 323(3), 324(3), 330(3), 331(3), 335(3), 340(3), 343(3), 344(3), 345(3), 350(3), 360(3), 370(3), 380(3), 383(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 538(3), 541(3), 542(3), 544(3), 545(3), 548(3), 549(3), 573(3), 574(3), 587(3).

b. At least two must be modern history courses: HST 314(3), 315(3), 323(3), 324(3), 329(3), 330(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 350(3), 353(3), 355(3), 356(3), 361(3), 370(3), 371(3), 375(3), 381(3), 383(3), 509(3), 510(3), 515(3), 516(3), 517(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), 543(3), 544(3), 551(3), 553(3), 559(3), 562(3), 563(3), 566(3), 571(3), 587(3), 588(3).

c. At least one must be a 500 level American History Course: HST 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3).

d. At least one must be a 500 level World History Course: HST 541(3), 542(3), 543(3), 544(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 563(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3).

8. Public Affairs Capstone Experience will be fulfilled by completion of HST 598(3)

9. Complete one of the following four tracks. No more than six hours of History Core may be applied toward any one track.

a. Constitution and Law (18 hours):

1. Required courses (6 hours): HST 517(3) and PLS 419(3).

2. One of the following (3 hours): PLS 515(3) or PLS 517(3)

3. Nine additional hours of cross-disciplinary liberties and rights: CRM 210(3), CRM 260(3), ECO 435(3), JRN 407(3), LAW 231(3), LAW 531(3), LAW 537(3), PHI 340(3), PLN 570(3), PLS 515(3), PLS 517(3), PSY 320(3), PSY 359(3) or SOC 380(3).

b. American Studies: (24 hours)

1. Required: HST 313(3)

2. Nine hours from the following courses: HST 314(3), 315(3), 324(3), 329(3), 330(3), 331(3), 332(3), 375(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3).

3. Twelve hours from the following cross disciplinary courses with at least three hours from each area:

a. Society and Culture: AAS 100(3), AAS 397(3), ANT 325(3), ANT 390(3),

ANT 525(3), GRY 301(3), GRY 318(3), OZK 150(3), OZK 300(3), REL 131(3), REL 315(3), REL 344(3), REL 346(3), REL 390(3), REL 531(3).

b. Politics, Economics and the Law: ECO 320(3), PLS 255(3), PLS 301(3), PLS 316(3), PLS 317(3), PLS 413(3), PLS 414(3), PLS 419(3), PLS 515(3), PLS 517(3), PLS 535(3).

c. Arts and Literature: ART 273(3), ART 381(3), ART 385(3), ART 485(3), ENG 350(3), ENG 351(3), ENG 354(3), ENG 355(3), ENG 385(3), ENG 386(3), ENG 485(3), ENG 516(3), ENG 517(3), ENG 519(3), ENG 553(3), ENG 557(3), ENG 558(3), ENG 559(3), ENG 562(3), MED 325(3), MED 374(3), MED 375(3), MUS 347(3), THE 547(3).

c. International Studies Non-Language: (27 hours). 18 hours may count in other areas of degree

1. Twelve hours of non-US History courses in regional area of emphasis (six hours may count in major requirements)

2. Fifteen hours of cross disciplinary non-history courses in area of emphasis (from at least two separate disciplines approved by advisor) *

3. One to three hours of optional-experiential learning course with international emphasis (Study Away, Internship, or Service Learning)

4. Recommended Courses: Students may substitute courses only with their advisor's permission.

   a. Africa: ANT 330(3)*, ANT 331(3), ANT 332(3), ANT 490(3), ART 273(3), ART 386(3), CRM 415(3), ENG 355(3), ENG 363(3), ENG 455(3), GRY 507(3), HST 531(3), PLS 550(3), SOC 336(3), SWK 219(3).

   b. Asian: ECO 345(3), ENG 362(3), GRY 305(3), LLT 215(3), PHI 314(3), PLS 545(3), REL 355(3), REL 357(3), REL 360(3).

   c. Latin America: ANT 330(3)*, ANT 331(3), ART 273(3), ART 385(3), ART 485(3), ENG 354(3)*, ENG 362(3)*, GRY 305(3)*, LLT 197(3)*, LLT 296(3)*, PLS 338(3)*, PLS 548(3), PTG 297(3)*, SOC 336(3), SPN 101(3), SPN 102(3), SPN 201(3), SPN 202(3), SPN 297(3)*, SPN 320(3), SPN 325(3), SPN 326(3), SPN 415(3).

   d. Middle East: ANT 335(3), ARB 101(3), ARB 102(3), ARB 201(3), ARB 202(3), ART 382(3), HBW 101(3), HBW 102(3), HBW 201(3), HBW 202(3), LLT 197(3), GRY 305(3), PLS 546(3), REL 330(3), REL 350(3),

REL 397(3), SOC 397(3).

e. European: ART 271(3), ART 272(3), ART 472(3), ART 474(3), ART 475(3), ART 478(3), ART 479(3), ENG 340(3), ENG 341(3), ENG 360(3), ENG 361(3), ENG 510(3), ENG 512(3), ENG 513(3), ENG 514(3), ENG 541(3), ENG 543(3), ENG 544(3), ENG 546(3), ENG 548(3), ENG 598(3), FRN 326(3), FRN 335(3), FRN 414(3), FRN 415(3), GRK 301(3), GRK 302(3), GRM 302(3), GRM 312(3), GRM 320(3), GRM 325(3), GRM 455(3), GRM 465(3), GRM 475(3), LLT 225(3), LLT 240(3), LLT 271(3), LLT 325(3), LLT 326(3), LLT 545(3), LLT 595(3), LTN 450(3), LTN 451(3), LTN 460(3), LTN 461(3), LTN 470(3), LTN 471(3), MCL 303(3), PHI 306(3), PHI 310(3), PHI 312(3), PLN 597(1-5), PLS 205(3), PLS 232(3), PLS 343(3), PLS 547(3), REL 335(3), REL 340(3), SPN 325(3), SPN 450(3).

d. International Area Studies Language Track (27 hours). 18 hours may count in other areas of degree.

1. Six hours of a foreign language; or proficiency exam passed for 101 and 102 level foreign language; or evidence of proficiency approved by History Department advisor.

2. Nine to fifteen hours of non-US History courses in regional areas of emphasis (six hours may count in major requirements)

3. Twelve hours of cross disciplinary non-history courses in area of emphasis (from at least two separate disciplines approved by advisor)

4. One to three hours of optional experiential learning course with international emphasis (Study Away, Internship, or Service Learning)

5. Recommended Courses: Students may substitute courses only with their advisor’s permission.

a. Africa: ANT 330(3)*, ANT 331(3), ANT 332(3), ANT 490(3), ART 273(3), ART 386(3), CRM 415(3), ENG 355(3), ENG 363(3), ENG 455(3), GRY 507(3), HST 531(3), PLS 550(3), (3), REL 365(3), SOC 336(3), SWK 219(3).

b. Asian: ART 274(3), ART 374(3), ECO 345(3), ENG 362(3), GRY 305(3), LLT 215(3), PHI 314(3), PLS 545(3), REL 355(3), REL 357(3), REL 360(3).

c. Latin America: ANT 330(3)*, ANT 331(3), ART 273(3), ART 385(3), ART 485(3), ENG 354(3)*, ENG 362(3)*, GRY 305(3)*, LLT 197(3)*, LLT 296(3)*, PLS 338(3)*, PLS 548(3), PTG 297(3)*, SOC 336(3), SPN 101(3), SPN 102(3), SPN 201(3), SPN 202(3), SPN 297(3)*, SPN 320(3), SPN 325(3), SPN 326(3), SPN 415(3).

d. Middle East: ANT 335(3), ARB 101(3), ARB 102(3), ARB 201(3), ARB 202(3), ART 382(3), HBW 101(3), HBW 102(3), HBW 201(3), HBW 202(3), LLT 197(3), GRY 305(3), PLS 546(3), REL 330(3), REL 350(3), SOC 397(3).

e. European: ART 271(3), ART 272(3), ART 472(3), ART 474(3), ART 475(3), ART 478(3), ART 479(3), ENG 340(3), ENG 341(3), ENG 360(3), ENG 361(3), ENG 510(3), ENG 512(3), ENG 513(3), ENG 514(3), ENG 541(3), ENG 543(3), ENG 544(3), ENG 546(3), ENG 548(3), ENG 598(3), FRN 326(3), FRN 335(3), FRN 414(3), FRN 415(3), GRK 301(3), GRK 302(3), GRM 302(3), GRM 312(3), GRM 320(3), GRM 325(3), GRM 455(3), GRM 465(3), GRM 475(3), LLT 225(3), LLT 240(3), LLT 271(3), LLT 325(3), LLT 326(3), LLT 545(3), LLT 595(3), LTN 450(3), LTN 451(3), LTN 460(3), LTN 461(3), LTN 470(3), LTN 471(3), MCL 303(3), PHI 306(3), PHI 310(3), PHI 312(3), PLN 597(1-5), PLS 205(3), PLS 232(3), PLS 343(3), PLS 547(3), REL 335(3), REL 340(3), SPN 325(3), SPN 450(3).

C. General Baccalaureate Degree Requirements

## Minor(s)

### History

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

A. HST 103(3) or 104(3); HST 121(3) or 122(3)

B. Select one of the following courses: HST 323(3), 335(3), 350(3), 370(3), 371(3), 380(3), 381(3), 541(3), 542(3), 543(3), 544(3), 571(3), 573(3), 574(3), 587(3)

C. Select nine additional hours in history for a total of 18 hours in minor.

### History

Bachelor of Science in Education (Non-Certifiable)

A. HST 103(3) or 104(3)

B. HST 121(3) or 122(3)

C. Select one survey course in African, Asian, Latin American or Middle East civilization: HST 323(3), 335(3), 350(3), 370(3), 371(3), 380(3), 381(3)

D. Select one course in U.S. History: HST 313(3), 314(3), 315(3), 324(3), 329(3), 330(3), 331(3), 332(3), 340(3), 345(3), 375(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3)

E. Select one course in Ancient or European History: HST 340(3), 343(3), 344(3), 353(3), 355(3), 356(3), 360(3), 361(3), 541(3), 542(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 563(3), 564(3), 566(3)

F. Select three hours of HST elective at the 200 level or above.

G. Select two of the following: ANT 100(3), PLS 101(3), ECO 155(3), GRY 100(3), and SOC 150(3)

H. Select three hours of courses at the 200 level or above in one of the following areas: ANT, PLS, ECO, GRY, SOC.

## Accelerated graduate Program in History

Eligible Missouri State undergraduate students may apply for admission to the History program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# History Education

## Major(s)

### History

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements

B. Major Requirements (57 hours):

1. HST 103(3), 104(3), 121(3), 122(3), 390(3)

2. Select six hours in African, Asian, Latin American and/or Middle East civilization: HST 323(3), 334(3), 335(3), 338(3), 339(3), 350(3), 370(3), 371(3), 380(3), 381(3), 382(3), 542(3), 543(3), 544(3), 571(3), 573(3), 574(3), 587(3), 588(3), and variable topics courses when they cover one of these regions

3. Select six hours in U.S. History: HST 313(3), 314(3), 315(3), 324(3), 329(3), 330(3), 331(3), 332(3), 340(3), 375(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), and variable topics courses when they cover U.S. history

4. Select three hours in European history: HST 343(3), 353(3), 355(3), 356(3), 360(3), 361(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 564(3), 566(3), and variable topics courses when they cover European history

5. Select three hours in World Interregional and Cross-Regional: HST 340(3), 344(3), 345(3), 383(3), 514(3), 563(3), and variable topics courses when they cover a related field

6. In addition, a major in history to be certifiable must complete ANT100(3); GRY 100(3); SOC 150(3); PSY 121(3); ECO 155(3); PLS 101(3); and either PLS 205(3) or PLS 232(3)

7. Select three additional hours from ANT, ECO, GRY, PLS, PSY, REL 100(3), 131(3), 210(3), 390(3); and SOC. Note: PSY 380, 385, or 390 cannot be used toward this requirement.

8. Public Affairs Capstone Experience will be fulfilled by completion of HST 418(4).

9. At least a 3.00 combined GPA (Missouri State and transfer) in the social science area (major field of study) which includes all courses listed under B

C. Professional Education Courses and Requirements. Note: A grade of “C” or better in each course is required for state certification.

1. HST 418(4), 422(6-10), 423(2)
2. Professional Education Required Core and Competencies - see Teacher Education Program
3. Satisfy History program requirement of a minimum major GPA of 2.75 and a combined GPA (Missouri State and transfer) of 2.75 as a part of admission to teacher education.
4. Satisfy History program requirement of a minimum major GPA of 3.00 and a combined GPA (Missouri State and transfer) of 2.75 as a part of approval for supervised teaching.

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program requirements for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Accelerated graduate Program in History

Eligible Missouri State undergraduate students may apply for admission to the History program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Secondary Education/History

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/History program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Military Science

## Programs

### Undergraduate

Military Science (Minor)

## General information

Since 1952 the Military Science program (Army ROTC) has prepared college men and women for commissions as Second Lieutenants in the United States Army, the Army National Guard, and the Army Reserves. The ROTC program is divided into two elective courses; the Basic Course and the Advanced Course. Basic Course classes are open to all students. They each provide academic credit hours and may fulfill elective credit in any program. Students who enroll in Basic Course classes receive leadership, management, and confidence-building instruction which will be of great value in any career field they enter. Enrollment in the Advanced Course classes is restricted to students who meet departmental criteria and who willingly accept a commission as an Army officer with a military service obligation.

## Basic course

The Basic Course encompasses two freshman and two sophomore Military Science classes. There are prerequisites for some of the classes, please check course descriptions for specifics. There is no military service obligation for enrolling in any of the Basic Course classes. The primary objective of the Basic Course is to provide college students with an

## Contact

**Department head**

LTC Scott B. Morris

**Office**

Freudenberger House, Room 22

**Phone**

417-836-5791

**Fax**

417-836-5792

**Email**

MilitaryScience@missouristate.edu

**Website**

www.missouristate.edu/milsci

understanding of the United States Army in general and Army ROTC in particular. Students wishing to contract as a Basic Course cadet will receive a monthly stipend of $300-$350. Additionally, students who complete three Basic Course classes and meet departmental criteria, qualify for enrollment in the Advanced Courses, if they decide to continue in the Military Science program to earn an officer's commission in the U.S. Army.

## Advanced course

The Advanced Course consists of two 300-level and two 400-level Military Science classes (see class descriptions below). Enrollment in all Advanced Course classes is by departmental permission. The primary objective of the Advanced Course is to prepare qualified college students for military service as Second Lieutenants in the United States Army, the Army National Guard, and the Army Reserves. Students who are accepted into this program receive $450-$500 per month (tax-free) for 10 months of both their Junior and Senior years. Additionally, Advanced Course students attend a four-week Leader Development Assessment Course (LDAC), normally in the summer between their Junior and Senior year. Students receive a salary while at training, have meals and housing provided by the Army, and receive paid travel to and from the training. Upon completion of the four Advanced Course classes, and a bachelor's degree, students are commissioned as Second Lieutenants in the U.S. Army. Students may compete to fulfill their military service full time in the active component of the U.S. Army or opt to serve in the Reserve component of the Army National Guard or Army Reserves.

All students in the Advanced Courses, prior to graduation, are required to take U.S. Military History, HST 315. Advanced Course students are also encouraged (but not required) to take a course in the fields of national security affairs and management, if their degree programs allow. Additionally, all Advanced Course students, ROTC Scholarship students, and contracted cadets must participate in a regularly scheduled physical fitness program and Leadership Labs.

## Scholarships

The Army ROTC Scholarship program is open to all qualified, full time University students. Two four-year scholarships are awarded each year on a best qualified basis. Students need not be enrolled in Military Science classes to compete. Army ROTC Scholarships pay full tuition, required fees and book costs ($1,200/yr), plus a monthly tax free stipend of $300-$500 for 10 months of each school year of the scholarship. Students who receive an Army ROTC Scholarship incur a military service obligation which is completed after graduation either in the active or reserve components of the U.S. Army. Information on other available scholarships can be obtained from the department or from the Military Science website.

## Advanced Camp

This course is ideal for incoming juniors, first-year master's students or transfer students who have decided they want an Army officer’s commission but have never taken a Military Science course, or had any previous military training. These students can still qualify for entry into the Advanced Course provided they have exactly two academic years remaining in their degree program. Attendance at Advanced Camp is four weeks in the summer and provides equivalent credit for the Basic Course, qualifying students for the Advanced Course. Students who elect to attend Advanced Camp also receive a salary, have meals and housing provided by the Army, and receive paid travel to and from the training. As a special incentive, students can compete for two-year Army ROTC Scholarships. These scholarships are awarded on the basis of college academic record, leadership potential, and Advanced Camp performance. As of 2010, all students who successfully complete Advanced Camp and contract into the ROTC Advanced Course receive a $5,000 signing bonus. Students can also receive 5 credit hours for attending Advanced Camp (see MIL 225).

## Veterans

Student veterans of honorable military service (all branches of

the Armed Forces, active and reserves) may be eligible for enrollment in the Advanced Course by virtue of their previous military training and experience, and with 60 credit hours. This option (called advanced placement) enables most military veterans to complete the ROTC program in just two years, rather than four. Veterans who elect this option do not lose any of their GI Bill entitlements and still receive the monthly $300-$500 tax free stipend from ROTC.

## Uniforms and texts

Textbooks are supplied for all ROTC courses. Freshman and Sophomore students are furnished uniforms as needed. All contracted cadets/students are provided uniforms and equipment as necessary.

## MIL 225 and MIL 325 Fees

Students enrolling in MIL 225 and MIL 325 will be charged a flat fee of $150. This fee is *in place* of the per credit hour fee, not *in addition* to those fees.

# Military Science Faculty

## Professor

LTC Scott B. Morris

## Instructors

SFC Charles A. Cloud

CPT Shea Leap

CPT Eric V. Wahner

Missouri State

Office of the Registrar

Undergraduate Catalog



# Military Science Courses

## Military Science (MIL) courses

**MIL 101 Introduction to Military Science**

This course focuses on Army organization, customs and courtesies, leadership and basic pistol and rifle marksmanship. Students will get the opportunity to handle, learn the maintenance and proper way to fire, both civilian and U.S. Army small arms weapons as well as spend one-two weeks learning Army rappelling techniques

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MIL 102 Introduction to Basic Military Skills**

This course builds on the foundational skills and techniques taught in MIL 101; military map reading and land navigation, pistol marksmanship, rappelling and additional leadership skills.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MIL 125 Leadership Fitness**

*Prerequisite: permission of the instructor.*

Development of individual fitness and acquire the skills necessary to lead group fitness training. May be repeated for a total of 3 hours, but only one credit hour may be used to satisfy the Physical Well-Being requirement in General Education for students completing general education requirements in effect prior to fall 1997.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 3

**Typically offered:** Upon demand
Projected offerings

**MIL 211 Basic Military Skills and Techniques**

*Prerequisite: MIL 101 and MIL 102 or permission.*

This course is designed for students who desire accelerated instruction on rifle marksmanship, rappelling, communications, map reading (to include the compass), patrolling and tactics. The student will be required to attend a laboratory on Thursdays if a contracted cadet. Students who are contracted are required to meet Army appearance standards.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 1

**Typically offered:** Fall
Projected offerings

**MIL 212 Military Fundamentals Practicum**

*Prerequisite: permission.*

The class is designed for the military science students who desire accelerated instruction on rifle marksmanship, communications, map reading (to include the compass), and patrolling. The student will be required to wear a military uniform and meet Army appearance standards.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**MIL 220 Basic Military Science Fundamentals**

*Prerequisite: permission.*

Organization and mission of ROTC; the role of the U.S. Army in American history and the application of the principles of war; leadership theory and practice; introduction to military operations and basic tactics; instruction in marksmanship, land navigation and communication.

**Credit hours:** 2-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**MIL 225 Basic Military Science Practicum**

*Prerequisite: permission.*

A 6-week course conducted at Fort Knox, KY. The training is rugged and intensive with emphasis placed on leadership application, practical work and physical conditioning. Training will be conducted six days a week out-of-doors and requires active participation by all students. Enrolled students receive compensation for travel, lodging and food.

**Credit hours:** 5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Summer
Projected offerings

**MIL 301 Military Leadership and Operations**

*Prerequisite: permission.*

Introduction to small unit tactics; principles of military leadership, to include theory, responsibilities, techniques, and practice; branches of the U.S. Army, oral presentation techniques and practice. One field trip is required. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall
Projected offerings

**MIL 302 Military Skill Building**

*Prerequisite: permission.*

Small unit tactics; applied military leadership (builds on knowledge gained in MIL 301) with special emphasis on the junior leader's duties and responsibilities. Two field trips are required. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**MIL 325 Advanced Military Science Practicum**

A prerequisite to receive a commission in the U.S. Army through R.O.T.C. and for MIL Science 411 and 412. The 5-week course is conducted at Fort Lewis, Washington. The instruction, training and evaluation focuses on the professional development issues required to become an Army Officer. The primary focus is on evaluating the student's leadership potential through this mentally and physically demanding camp. The training and evaluation is conducted seven days a week for five weeks and requires active participation by all students. The student is placed in leadership positions which require him/her to lead up to 120 fellow students for extended periods of time. Enrolled students receive compensation for travel, lodging and food.

**Credit hours:** 5
**Lecture contact hours:** 5
**Lab contact hours:** 0

**Typically offered:** Fall, Summer
Projected offerings

**MIL 411 Military Qualification Skills for the Advanced Cadet**

*Prerequisite: permission.*

Ethics and professionalism of the military officer; Army command staff functions; oral presentation techniques and practice; military leadership at junior officer level; world change and military obligations. One field trip is required. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Fall
Projected offerings

**MIL 412 Transition from Cadet to Lieutenant**

*Prerequisite: permission.*

Military justice system; army supply and logistics procedures and responsibilities; officer management system; obligations and responsibilities of a military officer; military leadership at junior officer level. Two field trips are required. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**MIL 496 Readings/Research in Military Science**

*Prerequisite: permission.*

Planned readings and research on subjects in or related to Military Science. May be repeated for a total of 3 hours. Cannot be taken Pass/Not Pass.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

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# Military Science

## Minor(s)

### Military Science

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Athletic Training
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work
MIL 301(3), 302(3), 411(3), 412(3); HST 315(3)

# Department of Philosophy

## Programs

### Undergraduate

Philosophy (BA, BS, Minor)

Ethics and Social Policy (Minor)

## Contact

**Program director**

Elizabeth Foreman, PhD

**Office**

Strong Hall, Room 307

**Phone**

417-836-5650

**Fax**

417-836-4775

**Email**

Philosophy@missouristate.edu

**Website**

www.missouristate.edu/phi

# Philosophy Faculty

## Professors

Daniel A. Kaufman, PhD

Pamela R. Sailors, PhD

## Associate professors

Elizabeth Foreman, PhD

Ralph E. Shain, PhD

## Assistant professor

William Harwood, PhD

## Senior instructor

Michael P. Boyle, MA

## Instructors

Jake M. Bartholomew,

Anthony E. Chackal. MA

## Emeritus faculty

William R. Brown, PhD

Bertrand P. Helm, PhD

Jack Knight, PhD

Joseph E. Martire, PhD

Jon S. Moran, PhD

Johnny Washington, PhD

Missouri State

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# Philosophy Courses

## Philosophy (PHI) courses

**PHI 105 Critical Thinking**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

This course develops intellectual self-awareness by teaching the canons and skills of critical reasoning. Deductive and inductive reasoning, the application of logic to a variety of significant issues, and the relation between language and argumentation will be studied.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PHI 110 Introduction to Philosophy**

*General Education Course (Focus on Humanities).*

This course explores various ways of understanding the human self and its relation to the world. Through a consideration of what can be known, what is worth valuing, what reality is, and how human communities should be composed and regulated, the course deals with central themes that arise from the human quest for deeper self-understanding.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PHI 115 Ethics and Contemporary Issues**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

This course examines ethical principles and theories in relation to contemporary moral issues (e.g. euthanasia, capital punishment, economic justice, environmental issues, world hunger). Through a consideration of ideals of justice and human dignity, as well as concepts of rights and responsibilities, it also explores the moral requirements for community and justified political order.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PHI 197 Perspectives in Philosophy**

A variable content course designed to explore the philosophical significance of issues of cultural, social or individual importance. Students should consult the registration schedule to determine the topic to be covered in a given semester. The course may be repeated to a maximum of 6 hours as topics change.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHI 300 Philosophical Ideas in Literature**

Selected works of Western literature in light of their relation to historical trends in philosophy and philosophical speculation in the areas of metaphysics, epistemology, value theory, social and political philosophy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 301 Service Learning in Philosophy**

*Prerequisite: 30 hours and permission, and concurrent registration in a Philosophy course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in philosophy to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PHI 302 Environmental Ethics**

This course critically examines various philosophical viewpoints that bear upon ethical issues concerning the environment. Among the questions examined are the following: Must concern for the environment revolve around human concerns? Do animals have rights? Does nature have intrinsic value that must be respected regardless of effects upon humans? What is the relative importance of aesthetic or economic values to environmental questions? Do we have obligations to protect resources for future generations?

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 305 Elements of Symbolic Logic**

An introduction to the use of symbolic techniques to represent and evaluate arguments from everyday usage. There is an emphasis upon the student's development of an understanding of the methods and concepts of present day logic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PHI 306 History of Western Philosophy: Ancient**

Historical study of ancient philosophy based on the reading of representative writings of major philosophers.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHI 310 History of Western Philosophy: Modern**

A survey of the major philosophies of the modern period in the Western World, 1550 to 1850, including the work of philosophers who stand in the traditions of Continental rationalism, British empiricism, and German idealism.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 312 Contemporary Continental Philosophy**

An examination of contemporary European philosophical thought including significant writings from important individual philosophers and from major movements of the period, such as Existentialism, Phenomenology, Frankfurt School, Structuralism and/or Deconstruction.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 314 Asian Philosophy**

This course compares and evaluates the major philosophies of the Eastern world. It treats selected topics from Indian, Chinese, and Japanese philosophies and examines the basic ideas that underlie the religious and moral viewpoints of these traditions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 315 Philosophy of Religion**

The philosophy of religion is the application of philosophical reflection to the concepts and theses of religion. Accordingly, this course ranges over a variety of issues, which may include the existence of the divine, the nature of the divine, modes of knowing the divine, the theological significance of evil in the world, the relationship between the divine and morality, and survival after death.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 319 Feminist Philosophy**

This course examines the major strands of feminist philosophy. It focuses in particular on how issues of gender affect ethical theories and theories of knowledge.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 320 Aesthetics**

Representative philosophical theories concerning the nature of aesthetic value; the bases of judgments in the arts and literature. Primarily intended for upper division students concentrating in the fine arts, literature or philosophy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHI 330 Introduction to Political Theory**

*Prerequisite: PLS 101.*

An introduction to the study of political theory by examining the central questions that animate our attempt to understand and secure the "good life." These concerns include: the nature and significance of politics; the origin and character of legitimate authority; and the meaning of freedom, the value of citizenship, and the education in virtue and in rights that are necessary to both individual liberty and civic greatness. Bringing insights from classical and modern texts to bear on these fundamental questions of public life, we aim to articulate and defend our own understanding of the ethical obligations and responsibilities that citizens owe to one another. Identical with PLS 330. Cannot receive credit for both PHI 330 and PLS 330.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHI 336 Knowledge and Reality: Contemporary Approaches**

This course will investigate questions involving knowledge and reality, focusing on philosophers who wrote at some time from the latter half of the 19th century up to the present day. The questions will typically be from among the following: What is "knowing"? How are claims to be justified to count as knowledge? Do different types of knowledge require a single type of justification, or do they have different types? Does science have a privileged role in knowing what's real? If so, what is it about science that provides for this? Is reality given or is it constructed/constituted in some way? If the latter, how is this done? Do any of these play a role in that construction/constitution: brain-structure, perception, concepts and conceptual schemes, language, power relations, human activity? What are the basic features of reality? Physical stuff, time, natural kinds, laws of nature, power, events, history, possible worlds? Are common and/or philosophical ways of thinking about the world "metaphysical", as many have claimed? What exactly is meant by "metaphysical".

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 340 Philosophy of Law**

This course is an introduction to the philosophy of law through a study of some of its major issues. Questions to be considered in the course may include "Is an unjust law no law at all?," "How robust is our obligation to follow the law, and what grounds that obligation?," "What is the purpose of law?," "Do we have natural rights?," "Is paternalism justified?," and "How do we justify legal punishment?"

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 341 Social Philosophy**

This course examines foundational social, political and economic issues under the guidance of contemporary ethical and social theories and against the background of evolving constitutionally-governed democratic culture. It addresses both (i) theoretical issues concerning aims, scope and justification for political frameworks and social institutions, and (ii) substantive issues in relation to ideals of equality, liberty and justice raised by competing policy alternatives. Readings will include works from influential contemporary philosophers, and principled arguments from landmark USSC rulings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 342 Global Ethics**

As the planet becomes increasingly interconnected, and increasingly burdened by a burgeoning population, issues of global ethics have taken on a heightened urgency. This course examines competing perspectives on a variety of ethical issues with global dimensions, such as human rights, world hunger and poverty, overpopulation, sweatshops, immigration, nationalism, war, terrorism, genocide, and global warming. Students should emerge better prepared to act as global citizens capable of nuanced moral reasoning.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 345 Theories of Ethics**

This course examines various theories of ethics. Topics may include the rationality and objectivity of morality, the meaning of moral language, and the nature of and differences between deontological, utilitarian, sentimentalist, and virtue theories.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 350 Philosophy and Public Affairs**

Addresses three elements of MSU's public affairs mission, with a special focus on the ethical leadership aspect. Dividing the concept, the course will begin with discussion of the "ethical" prong, examining several traditional approaches to character information and ethical decision-making. Moving to the leadership prong, students will look at issues of justice and communication. Synthesizing the two, the course will conclude with examination of how one exhibits ethical leadership in relationships with friends and family, and in the work environment, and in the global sphere. Discussion of these relationships will be connected to the elements of cultural competence and community engagement. Throughout, the focus will be on the role of influence, integrity, and individual responsibility and obligations in the practice of ethical leadership. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 397 Seminar in Philosophy**

Research in selected topics in philosophy. May focus on ideas of one or more thinkers, a philosophic issue or a branch of philosophy. May be repeated for credit.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHI 496 Philosophy Tutorial**

*Prerequisite: permission of department head.*

Individual conference course for students with specialized interests in particular areas of philosophy not covered in regular courses. Includes independent research, progress reports and term papers. Enrollment requires advance agreement on topic.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHI 513 Bioethics**

An introduction to central ethical questions that arise in the area of bioethics, and to the resources various ethical theories offer for resolving those questions. In addition to a brief overview of contemporary moral theory, the course will discuss issues such as euthanasia, informed consent, proxy decision making, experimental research on humans and health care allocation. Specific cases will be discussed and analyzed throughout the semester. May be taught concurrently with PHI 613. Cannot receive credit for both PHI 613 and PHI 513.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 596 Selected Topics in Philosophy**

*Prerequisite: permission of department head.*

Individual conference course for graduate students with specialized interests in particular areas of philosophy not covered in regular courses. May include independent research, progress reports and term papers. Enrollment requires advance agreement on topic. May be taught concurrently with PHI 696. Cannot receive credit for both PHI 696 and PHI 596.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHI 613 Bioethics**

An introduction to central ethical questions that arise in the area of bioethics, and to the resources various ethical theories offer for resolving those questions. In addition to a brief overview of contemporary moral theory, the course will discuss issues such as euthanasia, informed consent, proxy decision making, experimental research on humans and health care allocation. Specific cases will be discussed and analyzed throughout the semester. May be taught concurrently with PHI 513. Cannot receive credit for both PHI 513 and PHI 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHI 696 Selected Topics in Philosophy**

*Prerequisite: permission of department head.*

Individual conference course for graduate students with specialized interests in particular areas of philosophy not covered in regular courses. May include independent research, progress reports and term papers. Enrollment requires advance agreement on topic. May be taught concurrently with PHI 596. Cannot receive credit for both PHI 596 and PHI 696.

**Credit hours:** 2-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Philosophy

## Major(s)

### Philosophy (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements*

1. Logic and Analytical Reasoning: PHI 305(3)
2. Moral Theory: PHI 345(3)
3. Applied Ethics. Select three hours from: PHI 302(3), 340(3), 342(3), 513(3)
4. History of Philosophy: PHI 306(3) and 310(3)
5. Theory of Knowledge and Metaphysics: PHI 336(3)
6. Philosophical Perspectives and Area Studies. Select three hours from: PHI 300(3), 312(3), 314(3), 315(3), 319(3), 320(3); PHI 330(3) or PLS 330(3)
7. Public Affairs Capstone Experience requirement: PHI 350(3)
8. Complete an additional 9 hours of Philosophy courses. Major requires a minimum of 33 hours including at least 24 hours of upper division credit in the discipline.

   **PHI 197*, *PHI 397*, *and *PHI 496* *may satisfy a distribution requirement for the major or minor when their topics are deemed suitable by the department.*

C. Minor Required (or second major)

D. A BA major in Philosophy may be combined with the Ethics and Social Policy minor only where students satisfy the stated course requirements for both major and minor and complete additional upper division hours for the major, as needed, wherever courses that satisfy the major requirements are used to satisfy the minor. Accordingly, a student

combining a BA major in Philosophy with the Ethics and Social Policy minor must complete at least 51 hours of Philosophy courses.

E. Specific Bachelor of Arts Degree Requirements

F. General Baccalaureate Degree Requirements

## Philosophy (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements*

1. Logic and Analytical Reasoning: PHI 305(3)
2. Moral Theory: PHI 345(3)
3. Applied Ethics. Select three hours from: PHI 302(3), 340(3), 342(3), 513(3)
4. History of Philosophy: PHI 306(3) and 310(3)
5. Theory of Knowledge and Metaphysics: PHI 336(3)
6. Philosophical Perspectives and Area Studies. Select three hours from: PHI 300(3), 312(3), 314(3), 315(3), 319(3), 320(3); PHI 330(3) or PLS 330(3)
7. Public Affairs Capstone Experience requirement: PHI 350(3)
8. Complete an additional 9 hours of Philosophy courses. Major requires a minimum of 33 hours including at least 24 hours of upper division credit in the discipline.

   **PHI 197*, *PHI 397*, *and *PHI 496* *may satisfy a distribution requirement for the major or minor when their topics are deemed suitable by the department.*

C. Minor Required (or second major)

D. A BS major in Philosophy may be combined with the Ethics and Social Policy minor only where students satisfy the stated course requirements for both major and minor and complete additional upper division hours for the major, as needed, wherever courses that satisfy the major requirements are used to satisfy the minor. Accordingly, a student

combining a BS major in Philosophy with the Ethics and Social Policy minor must complete at least 51 hours of Philosophy courses.

E. General Baccalaureate Degree Requirements

## Minor(s)

### Philosophy

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

A. Select either PHI 105(3) or 305(3).

B. Select one course in Ethics: PHI 302(3), 340(3), 342(3), 345(3), 513(3).

C. Select one course in the History of Philosophy: PHI 306(3), 310(3).

*Each instance of PHI 197, PHI 397, and PHI 496 may satisfy one of minor distribution requirements A,B, and C when its topic is deemed suitable by the department.*

D. Complete an additional nine hours of Philosophy courses. Minor requires a minimum of 18 hours including at least 12 hours of upper division credit.

# Ethics and Social Policy

## Minor(s)

### Ethics and Social Policy

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

A. PHI 115(3), 340(3), 345(3), 350(3)

B. Complete two courses from: PHI 302(3), 342(3), 513(3)

# Department of Political Science

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Fire Administration (Certificate, Minor)

International Relations (Minor)

Political Science (BA, BS, Minor)+

Public Administration (Minor)

Public Law (Minor)

### Graduate

Global Studies, Master of (MGS)+

Public Administration, Master of (MPA)+

Public Management (Certificate)

Courses are offered toward the option in Homeland Security and Defense within the Administration Studies program (MS)

Courses are offered toward the certificate in Homeland Security and Defense

## Accreditation

Network of Schools of Public Policy, Affairs, and Administration-Commission on Peer Review and Accreditation – Master of Public Administration (MPA)

## Contact

**Department head**

George E. Connor, PhD

**Office**

Strong Hall, Room 307

**Phone**

417-836-5630

**Fax**

417-836-6655

**Email**

PoliticalScience@missouristate.edu

**Website**

politicalscience.missouristate.edu

# Political Science Faculty

## Distinguished professor

Dennis V. Hickey, PhD

## Professors

George E. Connor, PhD

Mark C. Ellickson, PhD

Joel W. Paddock, PhD

Yuhua Qiao, PhD

David Romano, PhD

Patrick G. Scott, PhD

## Associate professors

David E. A. Johnson, PhD

James B. Kaatz, PhD

Gabriel Ondetti, PhD

Kevin Pybas, PhD

## Assistant professors

Bradley Dickerson, PhD

Sara Henary, PhD

Ashley E. Leinweber, PhD

Samantha Mosier, PhD

Indira Palacios-Valladares, PhD

## Instructor

Nick L. Beatty, MA

## Emeritus faculty

Gordon D. Friedman, PhD

Beat Kernen, PhD

Kant B. Patel, PhD

Robert Peace, MGA

Denny E. Pilant, PhD

Mark E. Rushefsky, PhD

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# Political Science Courses

## Political Science (PLS) courses

**PLS 101 American Democracy and Citizenship**

*General Education Course (Focus on Constitutions of US and Missouri and American History and Institutions).*

This course familiarizes students with the institutions and constitutional framework of the United States and Missouri. The course emphasis is on the values, rights, and responsibilities that shape the public decision making of active and informed citizens and influence contemporary public affairs in a democratic society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 102 Introduction to American Public Policy**

*Prerequisite: PLS 101.*

This course deals with the process of policy formulation and with the historical development of specific public policies in such fields as economics, foreign affairs, education, business and labor, social welfare, criminal justice, health and environment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 103 Missouri Government and Politics**

The course familiarizes students with the institutions and constitutional framework in Missouri.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 169 Introduction to Political Science**

An introduction to the contemporary concerns and historical development of political science as a social science and as a mode of critical thinking about politics and society. Emphasis is upon acquainting students with the scope of intellectual inquiry and the specialized sub-fields of study of modern political science rather than with the particular characteristics of American government and politics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 205 Introduction to Comparative Government**

*Prerequisite: PLS 101.*

An introductory comparative study of the principles, techniques, and policy issues of government in constitutional democracies and authoritarian regimes. The course focuses on selected West European (Britain, France, Germany) and non-West European (Japan, Mexico, Russia) countries, and the evolution of the European Community.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 232 International Relations**

*Prerequisite: PLS 101.*

Conflict and cooperation in the nation-state system. Theories on international organization, power politics, regional integration, nationalism, war. Problems of developing areas such as Africa, Latin America and Southeast Asia.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 255 Public Administration**

*Prerequisite: PLS 101.*

American administrative organization and activities; centralization, decentralization and relations between the administration and other branches of government.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 300 Service Learning in Political Science**

*Prerequisite: 30 hours; and concurrent registration in a Political Science course designated as a service learning offering; and permission.*

This service component for an existing course incorporates community service with classroom instruction in Political Science to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PLS 301 U.S. National Security**

This class examines American national security from the cultural, institutional and policy perspectives. It will pay close attention to those enduring factors that shape American defense policies as well as exploring developments that have modified America's approach to security. Moreover, in addition to studying the structure and operation of today's policymaking process, the course will investigate the way the process has evolved in the past fifty years and will analyze the way key policies are produced and implemented by the U.S. government. Finally, reflecting changes in the world and in the field of national security studies, the course will cover not only the traditional concerns of national security (e.g., creation and use of military force for physical security of the territorial-state), but also the definition and achievement of individual and global security in the face of non-military problems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 315 Federalism and Intergovernmental Relations**

*Prerequisite: PLS 101.*

Nature of American Federalism and the dynamics of intergovernmental relationships; the course examines the role of the national and the state governments in intergovernmental relations as well as the state, local, interstate and interlocal relations. Issues of federal grants, fiscal outlook of cities, problems of inner cities, and metropolitan governments are also discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 316 Political Parties, Elections and Interest Groups**

*Prerequisite: PLS 101.*

A survey of the nature, evolution and functions of parties, elections and interest groups in the United States. An emphasis will be placed on the role played by these institutions in linking citizens to the public policy process.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 317 American Political Behavior**

*Prerequisite: PLS 101.*

An examination of various approaches to analyzing mass and elite political behavior in the United States. An emphasis will be placed on survey research, public opinion, political socialization, political psychology and voting behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**PLS 319 Women in Politics**

*Prerequisite: PLS 101.*

A survey of various aspects of the role of women in politics. The course will include an examination of the place of women in political history, women as political leaders, the ways in which women impact government, and public policies relating to women and families.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**PLS 330 Introduction to Political Theory**

*Prerequisite: PLS 101.*

An introduction to the study of political theory by examining the central questions that animate our attempt to understand and secure the "good life." These concerns include: the nature and significance of politics; the origin and character of legitimate authority; and the meaning of freedom, the value of citizenship, and the education in virtue and in rights that are necessary to both individual liberty and civic greatness. Bringing insights from classical and modern texts to bear on these fundamental questions of public life, we aim to articulate and defend our own understanding of the ethical obligations and responsibilities that citizens owe to one another. Identical with PHI 330. Cannot receive credit for both PLS 330 and PHI 330.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 333 Model United Nations**

*Prerequisite: permission.*

This course is designed to provide an opportunity for in-depth role playing that leads to a better understanding of the United Nations and other regional and international organizations. Course work includes the study of current events, important international disagreements, key international conventions, and the protocol and procedures of UN diplomacy. Students will prepare for participation in the American Model United Nations conference and other international organization simulations as representatives of Missouri State University. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**PLS 338 Politics of Less Developed Countries**

This course offers a road introduction to the politics of poorer, or "less developed" countries, a category that includes about three-quarters of the world's sovereign states and the vast majority of the global population. It will focus on two major themes: the quest for rapid economic development and the challenge of establishing a democratic political system. Students will also learn about the politics of a number of individual countries in Africa, Asia and Latin America.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**PLS 343 Post-Soviet Politics**

*Prerequisite: PLS 101.*

The politics and governments of the former Soviet Union, its Marxist-Leninist ideology, and the dominant role of the Communist Party will be used to illustrate the dramatic changes having taken place since 1991. Political and economic reforms introduced by Gorbachev will be highlighted, and reasons for the Soviet Union's subsequent collapse and the establishment of Russia and other Independent States of the former Soviet Union will be discussed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 351 Municipal Government and Administration**

*Prerequisite: PLS 101.*

A study of the structures and functions of city governments with emphasis on their relations to the state, their legal positions as municipal corporations and the management of municipal services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 355 Emergencies, Disasters and Catastrophes**

This survey course is designed to examine the wide range of public safety-related incidents from the daily emergencies handled by local government through disasters on the state levels to catastrophes on the national and international levels. The students will examine how these terms are defined, the role of public safety agencies (governmental, NPA and private) and how these incidents occurred and are managed. Students will be familiarized with various public safety services provided by municipal, state, and federal agencies. They will explore, via lectures, discussions, videos and readings, the provision of services, the role of public safety managers, municipal managers and elected officials.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 360 Fire and Emergency Services Administration**

*Prerequisite: permission of instructor.*

This course is designed to be a primer for students who want more knowledge about fire and emergency services administration. The course demonstrates the importance of the following skills, necessary to manage and lead a fire and emergency services department through the challenges and changes of the 21st century: Persuasion and influence, accountable budgeting, anticipation of challenges and the need for change, and using specific management tools for analyzing and solving problems. A central part of the course focuses on how the leadership of a fire and emergency services department develops internal and external cooperation to create a coordinated approach to achieving the department's mission. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 361 Community Risk Reduction for the Fire and Emergency Services**

*Prerequisite: permission of instructor.*

This course provides a theoretical framework for the understanding of the ethical, sociological, organizational, political, and legal components of community risk reduction, and a methodology for the development of a comprehensive community risk reduction plan.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 362 Political and Legal Foundations for Fire Protection**

*Prerequisite: permission of instructor.*

This course examines the legal aspects of the fire service and the political and social impacts of legal issues. This course includes a review of the American legal system and in-depth coverage of legal and political issues involving employment and personnel matters, administrative and operational matters, planning and code enforcement, and legislative and political processes with regard to the fire service.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 363 Personnel Management for the Fire Service**

*Prerequisite: permission of instructor.*

This course examines relationships and issues in personnel administration and human resource development within the context of fire-related organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline, and collective bargaining. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 364 Fire Prevention Organization and Management**

*Prerequisite: permission of instructor.*

This course examines the factors that shape fire risk and the tools for fire prevention, including risk reduction education, codes and standards, inspection and plans review, fire investigation, research, master planning, various types of influences, and strategies. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**PLS 365 Applications of Fire Research**

*Prerequisite: PLS 576 or equivalent and permission of instructor.*

This course examines the basic principles of research and methodology for analyzing current fire-related research. The course also provides a framework for conducting and evaluating independent research in the following areas: fire dynamics, fire test standards and codes, fire safety, fire modeling, structural fire safety, life-safety, firefighter health and safety, automatic detection and suppression, transportation fire hazards, risk analysis and loss control, fire service applied research and new trends in fire-related research. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**PLS 397 Mini Course in Political Issues**

*Prerequisite: permission of instructor.*

A course upon a single topic of current interest; subject will vary from semester to semester and from section to section depending upon student interest and faculty availability. May be repeated for credit to a maximum of 3 hours. Variable content course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 399 Cooperative Education in Jefferson City**

*Prerequisite: permission.*

Recommended Prerequisite: 2.50 GPA and junior or senior standing. To enable qualified students to apply theoretical constructs and analytical techniques in a supervised work environment. Restricted to Political Science majors and minors. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**PLS 413 The American Executive**

*Prerequisite: PLS 101.*

Changing powers and functions of the executive branches of the national and state governments of the United States in the 20th Century; constitutional, administrative and political problems involved.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 414 The Legislative Process**

*Prerequisite: PLS 101.*

Theory, principles, procedures and problems of the legislative process in democratic societies; operation of American state and national legislatures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**PLS 419 The Judicial Process**

*Prerequisite: PLS 101.*

Sources and nature of law; historical, sociological and philosophical approaches to legal theory. Role of the judiciary as an aspect of the study of political behavior; policy significance and consequences of what judges do and how they do it. Illustrated by case study in selected areas of American constitutional law.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**PLS 437 International Organizations and Law**

*Prerequisite: PLS 101.*

A study of the role of international organizations, both governmental and non-governmental, in regional and global international politics. A comparison of international organizations and other political institutions. A casebook and lecture examination of the principal elements of international law. A topical approach to governing principle will introduce current problems and define probable trends.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**PLS 492 Program Assessment**

*Prerequisite: permission.*

Recommended Prerequisite: senior standing. Required assessment of undergraduate political science programs in the department. All students majoring in political science are required to enroll in this course during their senior year and pass a Major Field Achievement Test (MFAT). The focus is on program assessment and development rather than on individual student evaluation. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PLS 493 Practicum in Political Science**

*Prerequisite: permission.*

Recommended Prerequisite: junior or senior standing. Supervised and departmentally approved part-time work experience related to Political Science in public or private sector. May be repeated to a total of 12 hours, but only 6 hours will be counted toward the major and 3 hours toward the minor. Approximately 5 on-the-job hours per week required for 1 hour credit, in addition to fulfillment of academic requirements. Restricted to Political Science majors and minors. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLS 494 Professional Internship**

*Prerequisite: permission.*

Recommended Prerequisite: junior or senior standing. Supervised and departmentally approved full-time work experience related to Political Science in public or private sector. May be repeated to a total of 12 hours, but only 6 hours will be counted toward the major. Approximately eight weeks of 40 on-the-job hours per week required for 3 hours credit, in addition to fulfillment of academic requirements. Restricted to Political Science majors. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLS 495 Senior Honors Project in Political Science**

*Prerequisite: permission.*

An individualized research project in a selected field of political science or public administration. The project will involve the preparation of a project proposal in cooperation with an appropriate faculty member serving as project advisor who will approve it along with the Head of the Political Science Department and Director of the Honors College. Variable Content Course. May be repeated to maximum of 6 hours total credit.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLS 496 Independent Study in Political Science**

*Prerequisite: permission.*

Recommended Prerequisite: 2.50 GPA; and junior or senior standing. Students should consult with a professor of the department who specializes in the subject and with the professor's consent present a written proposal to the department head for final approval. Proposals should be presented for approval before final registration for the term in which the independent study is to be done. Only one approved independent study program may be taken in any semester. A maximum of 6 semester hours of credit in PLS 496 may be counted on a major in Political Science and 3 semester hours of credit on a minor in Political Science or Public Administration. Written work will be required in PLS 496 in addition to reading assignments and/or research activities.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLS 497 Special Topics**

A course designed to provide a means of study for topics not addressed elsewhere in the curriculum. May be repeated up to a maximum of 9 hours. Variable content course. Public Affairs Capstone Experience course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLS 498 In-Service Training in Public Administration**

*Prerequisite: permission.*

Recommended Prerequisite: junior or senior standing. Supervised field work in an approved local, state, or national government agency including preparation of an acceptable formal report. Restricted to Political Science majors, Political Science minors, and Public Administration minors. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 515 Constitutional Law I: Powers and Constraints**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. This course examines the powers and limitations of the United States government, including: the institutional authority of the legislative, executive, and judicial departments; separation of powers; federalism; the commerce power, taxing and spending authority, and economic liberties. A careful study of U.S. Supreme court decisions is emphasized, with particular focus on the political, moral, and social impact these decisions have had on life in America.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 517 Constitutional Law II: Liberties and Rights**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. This course examines the civil liberties and civil rights of individuals, including: religious liberty, freedom of speech, the right to privacy, protections against discrimination based on race, gender, and sexual-orientation, and voting and representation rights. A careful study of U.S. Supreme Court decisions is emphasized, with particular focus on the political, moral, and social impact these decisions have had on life in America.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 518 Constitutional Politics**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. The course examines the design and historical development of the U.S. Constitution. Emphasis is given to exploring the political and philosophical currents that have influenced the development of American constitutional law, with particular focus on: 1) the founding era; 2) Civil War era conflicts over the nation's founding principles; 3) the Progressive critique of the constitution; and 4) recent conservative and libertarian critiques of progressive constitutionalism.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 535 American Foreign Policy**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. An analysis of American foreign policy. The course explores the various governmental institutions and societal forces which shape American foreign policy. The major emphasis is on American foreign policy since World War Two. Current issues in American foreign policy are discussed in light of contemporary theoretical and methodological approaches. May be taught concurrently with PLS 635. Cannot receive credit for both PLS 635 and PLS 535.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 544 Government and Politics of the Middle East**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. Political systems, processes and problems of the Middle East, considered both regionally and in the perspective of separate nation-states, from the beginning of the modern period about 1800 to the present. May be taught concurrently with PLS 644. Cannot receive credit for both PLS 644 and PLS 544.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 545 Asian Politics**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. A comparative study of the political and economic systems of contemporary Asia with emphasis on Japan, Korea, mainland China and Taiwan. Ideologies and strategies pursued by selected Asian governments are covered. Includes an assessment of contemporary economic, political and security issues in the region. America's economic, political and strategic ties with the region are also explored. May be taught concurrently with PLS 645. Cannot receive credit for both PLS 645 and PLS 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 546 Political Violence and Terrorism**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. The systematic study of political violence in its different forms. The course content is structured along a continuum, ranging from small scale violence to mass violence-assassinations, terrorism by sub-national and transnational organizations, state terror and genocide. May be taught concurrently with PLS 646. Cannot receive credit for both PLS 646 and PLS 546.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 547 Politics of the European Union and Its Members**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. This course will focus on the historical evolution of the European Union (EU) since the 1950s, the ongoing integration process within the organization (vertical integration), and its enlargement beyond the present members (horizontal integration). It will also address the EU's position in global and regional politics, its links to the United States, and the development of international governmental organizations. May be taught concurrently with PLS 647. Cannot receive credit for both PLS 647 and PLS 547.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 548 Latin American Politics**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. Broad introduction to the politics of Latin America. Although it will offer substantial historical background, the emphasis of the course will be on recent decades. To familiarize the student with some of the major general issues facing Latin America while also giving them a taste of its tremendous diversity. The course is structured around four basic topics: economic development, democratization, guerrilla movements and revolution, and drug trafficking. In the process of discussing these topics, various countries will be explored such as Brazil, Chile, Colombia, Cuba, Guatemala, and Mexico. A recurring theme will be the relationship between the United States and Latin America. May be taught concurrently with PLS 648. Cannot receive credit for both PLS 648 and PLS 548.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 550 Modern African Politics**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. A comparative study of the political and economic systems of contemporary Africa with emphasis on sub-Saharan Africa. Ideologies and strategies pursued by selected African governments are covered, including an assessment of contemporary economic, political, and strategic ties within the region and internationally. The class will emphasize such areas as Mauritania, Senegal, Kenya, Somalia, Nigeria, and South Africa. May be taught concurrently with PLS 650. Cannot receive credit for both PLS 650 and PLS 550.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 555 Public Policy for a Global Environment**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. Course examines how environmental policy is made in the United States and the international community. The course covers the institutions and groups that participate in making environmental policy and the process by which it is made. Domestic and international issues and problems explored include clean air, clean water, pesticides, risk assessment and management, toxic and hazardous substances, public lands, the greenhouse effect, and stratospheric ozone depletion. May be taught concurrently with PLS 685. Cannot receive credit for both PLS 685 and PLS 555.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 561 Ancient Political Thought**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. An introduction to the study of political theory by examining the contributions of classical political theorists and their successors up to the age of the Renaissance. Includes Socrates, Thucydides, Plato, Aristotle, the Epicureans, Cynics and Stoics, Cicero and the Roman Lawyers, early Hebrew and Christian political thought, Augustine and Aquinas.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**PLS 563 Modern Political Theory**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. The revolution in ideals brought by the nation-state, modern science, and the industrial revolution. Includes Machiavelli, More, Luther, Calvin, Hobbes, Locke, Rousseau, Bentham, J.S. Mill, Weber, Kant and Hegel.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**PLS 565 Contemporary Political Ideologies**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. A systematic study of the major competing ideologies of the 19th and 20th Centuries, including conservatism, liberalism, nationalism, Marxism, democratic socialism, fascism and national socialism, and others. Special emphasis is placed on the historical sources philosophical foundations and argumentative structure of these influential ideologies. May be taught concurrently with PLS 642. Cannot receive credit for both PLS 642 and PLS 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**PLS 567 American Political Thought**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. Political ideas in American institutional and historical development. An examination of the relations between American thought and political structures and processes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 569 Foreign Policies of the Middle Eastern States**

This course focuses on the foreign policies of selected Middle Eastern states and non-state actors. The course will refer to various paradigms of international relations, so a previous course in international relations (especially an introductory or theory course) is highly recommended. Concerns of this course will include to what extent we can view the states of the Middle East of rational actors, the role of individual decision makers, unintended policy results, and the need to balance domestic and external policy imperatives. The central pedagogic concern revolves around understanding how and why various Middle Eastern state choose the policies they do. May be taught concurrently with PLS 669. Cannot receive credit for both PLS 569 and PLS 669.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**PLS 573 Policy Analysis**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. A study of the major qualitative and quantitative techniques in public policy analysis. The course will examine diverse processes of public policy formulation, and analyze various public policy alternatives. Each student will complete an empirical research project. May be taught concurrently with PLS 673. Cannot receive credit for both PLS 673 and PLS 573.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 576 Quantitative Methods of Political Science and Public Policy**

*Prerequisite: PLS 101.*

Recommended Prerequisite: 50 hours. Introduction to the use of standard computer programs (especially SPSS) for the analysis and interpretation of political and social data. Covers analysis of nominal and ordinal data, descriptive and inferential statistics, hypothesis testing, correlation, linear and multiple regression. There will be a critical review of the applications of these techniques to the analysis of political science and public policy research questions, including ethical issues associated with quantitative research. May be taught concurrently with PLS 676. Cannot receive credit for both PLS 676 and PLS 576.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 635 American Foreign Policy**

The course explores the various governmental institutions and societal forces which shape American foreign policy. The major emphasis is on American foreign policy since World War Two. Current issues in American foreign policy are discussed in light of contemporary theoretical and methodological approaches. May be taught concurrently with PLS 535. Cannot receive credit for both PLS 535 and PLS 635.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 642 Contemporary Political Ideologies**

A systematic study of the major competing ideologies of the 19th and 20th Centuries, including conservatism, liberalism, nationalism, Marxism, democratic socialism, fascism and national socialism, and others. Special emphasis is placed on the historical sources philosophical foundations and argumentative structure of these influential ideologies. May be taught concurrently with PLS 565. Cannot receive credit for both PLS 565 and PLS 642.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**PLS 644 Government and Politics of the Middle East**

Political systems, processes and problems of the Middle East, considered both regionally and in the perspective of separate nation-states, from the beginning of the modern period about 1800 to the present. May be taught concurrently with PLS 544. Cannot receive credit for both PLS 544 and PLS 644.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 645 Asian Politics**

A comparative study of the political and economic systems of contemporary Asia with emphasis on Japan, Korea, mainland China and Taiwan. Ideologies and strategies pursued by selected Asian governments are covered. Includes an assessment of contemporary economic, political and security issues in the region. America's economic, political and strategic ties with the region are also explored. May be taught concurrently with PLS 545. Cannot receive credit for both PLS 545 and PLS 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 646 Political Violence and Terrorism**

The systematic study of political violence in its different forms. The course content is structured along a continuum, ranging from small scale violence to mass violence-assassinations, terrorism by sub-national and transnational organizations, state terror and genocide. May be taught concurrently with PLS 546. Cannot receive credit for both PLS 546 and PLS 646.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 647 Politics of the European Union and Its Members**

This course will focus on the historical evolution of the European Union (EU) since the 1950s, the ongoing integration process within the organization (vertical integration), and its enlargement beyond the present members (horizontal integration). It will also address the EU's position in global and regional politics, its links to the United States, and the development of international governmental organizations. May be taught concurrently with PLS 547. Cannot receive credit for both PLS 547 and PLS 647.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 648 Latin American Politics**

Broad introduction to the politics of Latin America. Although it will offer substantial historical background, the emphasis of the course will be on recent decades. To familiarize the student with some of the major general issues facing Latin America while also giving them a taste of its tremendous diversity. The course is structured around four basic topics: economic development, democratization, guerrilla movements and revolution, and drug trafficking. In the process of discussing these topics, various countries will be explored such as Brazil, Chile, Colombia, Cuba, Guatemala, and Mexico. A recurring theme will be the relationship between the United States and Latin America. May be taught concurrently with PLS 548. Cannot receive credit for both PLS 548 and PLS 648.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 650 Modern African Politics**

A comparative study of the political and economic systems of contemporary Africa with emphasis on sub-Saharan Africa. Ideologies and strategies pursued by selected African governments are covered, including an assessment of contemporary economic, political, and strategic ties within the region and internationally. The class will emphasize such areas as Mauritania, Senegal, Kenya, Somalia, Nigeria, and South Africa. May be taught concurrently with PLS 550. Cannot receive credit for both PLS 550 and PLS 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 651 Administrative Law**

A study of administrative agencies in their rule making and adjudicatory functions; administrative procedures including hearings and the judicial review thereof; legislative committee operations and their relation to the agencies. After several lecture type presentations by the instructor on the above topics, each student will be expected to present an oral and written review of some area of administrative law which requires further development through agency regulation and/or judicial review.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 669 Foreign Policies of the Middle Eastern States**

This course focuses on the foreign policies of selected Middle Eastern states and non-state actors. The course will refer to various paradigms of international relations, so a previous course in international relations (especially an introductory or theory course) is highly recommended. Concerns of this course will include to what extent we can view the states of the Middle East of rational actors, the role of individual decision makers, unintended policy results, and the need to balance domestic and external policy imperatives. The central pedagogic concern revolves around understanding how and why various Middle Eastern state choose the policies they do. May be taught concurrently with PLS 569. Cannot receive credit for both PLS 569 and PLS 669.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**PLS 673 Policy Analysis**

A study of the major qualitative and quantitative techniques in public policy analysis. The course will examine diverse processes of public policy formulation, and analyze various public policy alternatives. Each student will complete an empirical research project. May be taught concurrently with PLS 573. Cannot receive credit for both PLS 573 and PLS 673.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 676 Quantitative Methods of Political Science and Public Policy**

Introduction to the use of standard computer programs (especially SPSS) for the analysis and interpretation of political and social data. Covers analysis of nominal and ordinal data, descriptive and inferential statistics, hypothesis testing, correlation, linear and multiple regression. There will be a critical review of the applications of these techniques to the analysis of political science and public policy research questions, including ethical issues associated with quantitative research. May be taught concurrently with PLS 576. Cannot receive credit for both PLS 576 and PLS 676.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 685 Public Policy for a Global Environment**

Course examines how environmental policy is made in the United States and the international community. The course covers the institutions and groups that participate in making environmental policy and the process by which it is made. Domestic and international issues and problems explored include clean air, clean water, pesticides, risk assessment and management, toxic and hazardous substances, public lands, the greenhouse effect, and stratospheric ozone depletion. May be taught concurrently with PLS 555. Cannot receive credit for both PLS 555 and PLS 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 705 Seminar in Comparative Politics**

An examination of the principal approaches to comparative politics including the comparative study of political systems, types of government, elites, legislatures, political cultures and political parties. Students in the MGS program will be required to write an extensive bibliographic or substantive research paper on one of these principal elements in the study of comparative politics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 713 Seminar in Foreign Policy Decisionmaking**

An examination of the factors that shape foreign policy decisionmaking, especially as they have evolved in the 20th century in the United States. In addition to an examination of the governmental institutions and societal forces that influence policy, students will critically analyze decisionmaking models that have been developed to explain how and why foreign policy decisions are made.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 715 Comparative Public Administration**

The course will review the literature on the study of comparative public administration. The body of the course will focus on substantive public management issues in a variety of countries. Students will be expected to understand the rationale for the subfield, its development, and develop the skills needed to conduct scientific analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 717 Multidisciplinary Approaches to Homeland Security**

Examines the full spectrum of both homeland security and defense activities, the diverse responsibilities of the primary stakeholders, and current policies and practical efforts to develop and integrate homeland security and defense efforts nationwide.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 719 Strategic Planning and Organizational Imperatives in Homeland Security**

The attainment of homeland security goals is dependent on comprehensive planning and organization to integrate and mobilize all levels of government and private sector responses. This course critically analyzes these efforts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 721 International Political Economy**

A general introduction to the politics of international economic relations, with a special emphasis on the extent, causes, and consequences of globalization. Covers such topics as trade, investment, aid, global warming, international institutions, and the political roots of economic development. Identical with ECO 721. Cannot receive credit for both PLS 721 and ECO 721.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 732 International Relations in Theory and Practice**

An examination of the principal paradigms and approaches in the study of international relations as they have evolved, particularly in the 20th century, and their usefulness for understanding the practice of global affairs. Students will familiarize themselves with both theoretical and substantive aspects of international relations and global affairs. Completion of a major research project focusing on an issue or region and analyzing it from a theoretical perspective is required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 737 Seminar in International Organizations**

A study of the historical development and theoretical foundations of international organizations. Readings and research will emphasize recent issues and developments in both regional and global aspects in the organization of the international system.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 752 Public Personnel Management**

Intensive examination of the management of personnel focused directly on the public sector at the federal, state, and local levels. The course will explore the development, structure, and procedures of the public service. Issues of public personnel management to be examined include: perspectives on the public service, merit and patronage systems, labor relations, civil service reform, anti-discriminatory policies, and productivity and accountability.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 753 Management Techniques and Organizational Behavior**

A core lecture course designed to familiarize the student with the development of managerial skills through MBO, decision making theory, strategy implementation, change theory and development administration, problem solving, coordination within the organization, communication techniques and effecting productivity. Emphasis will be placed upon the applicability of management and organizational theory to the public sector.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 754 Seminar in Health Policy**

Politics of health policy formulation and planning. A study of participants in policy formulation, role of the different levels of government, issues and problems in health care planning, interrelationship of agencies involved, Medicare, Medicaid, national health insurance.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 756 Financial Management for State and Local Government**

A course dealing with intergovernmental financial relations, revenue sources, tax strategies, bond requirements, and issuance procedures, sinking funds, budget techniques and basic categories of state and local expenditures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 757 Topics Seminar in Public Policy and Administration**

Topics course. The specific topics will change from semester to semester. May be repeated as topics change.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLS 759 Seminar in Administrative Management and Organizational Theory**

A topics seminar in which each student will be responsible for an individual research project. Research will include both a review of applicable literature and a case study of an actual management or organizational problem-situation within a government office. This project will be preceded by a concise review of basic management principles and organizational theory.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 760 Management of Intergovernmental Relations**

The course is designed to familiarize students with the nature and scope of intergovernmental relations and how they impact issues such as fiscal management, grantsmanship, public policy formulation, public program monitoring and administration.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 761 Management of Nonprofit Organizations**

This course provides a general survey of nonprofit organizations. It will examine the historical, legal, ethical, and social environments in which nonprofit organizations operate. It will also discuss various aspects of nonprofit organization management, ranging from managing people and money to managing public relations and trust. The course will integrate theoretical and practical aspects of nonprofit management. The theoretical aspects will be achieved through readings and literature reviews. The practical side will come from guest speakers, field interviews, and hands-on assignments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**PLS 762 Public Policy and Program Evaluation**

The course is designed to familiarize students with the nature and role of evaluation in the policy process. Topics will include but not be limited to: the various types of evaluation, evaluation methods, evaluability assessment, program monitoring, impact assessment, process assessment, utilization of evaluation findings, and the politics of evaluation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**PLS 763 The Policy Process**

This course is designed to explore how public policy is made at all levels of government in the United States. Approximately two-thirds of the course will focus on the policy process; the remainder will concentrate on two or three major policy issues. Students will do an extended paper on a policy issue applying the concepts from the first part of the course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PLS 771 Seminar in Public Administration**

This course is designed as the foundation course for the Master of Public Administration program. Topics covered include the development of public administration, political, social, economic, and legal processes and institutions, the policy process, and values and ethics. All students will complete a major research paper related to one of these topics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 772 Introduction to Public Safety Services**

This course introduces students to the current principles and practices of public safety services from the theoretical and practitioner's perspective. Course will cover how services are provided, management challenges, the levels of emergencies and disaster operations, preparedness, recovery and mitigation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLS 773 Hazard Analysis, Mitigation, and Preparedness**

This course focuses on crucial actions taken in preparing the emergencies. All public safety agency work begins with a thorough analysis of the hazards faced whether they are from natural causes or manmade. The course will introduce students to various methods for conducting the hazard analysis regardless of whether for law enforcement, fire service, emergency medical services or 9-1-1. The class examines various methods to mitigate the occurrences of those incidents and how public safety agencies can prepare themselves and the public for when they occur.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 776 Local Public Service Delivery**

This course prepares students to provide management and guidance to various local government services such as public works, police, fire, parks, utilities, and human services. It covers issues of governance which enable various government and non-for-profit groups to cooperate in the delivery of these services. The focus is on management in medium and small-sized municipalities in both rural and urban settings. Extensive use of guest lectures and site visits are essential components of this course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**PLS 777 Local Government and Politics and Administration**

This course familiarizes students with a broad array of local government issues, structures, management concerns, and politics. Interwoven throughout the course is a discussion of the roles that professional administration and local politics play in everyday local government operations. The major focus will be on the decision making process of professional administrators as they attempt to bring both efficiency and effectiveness to local government.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**PLS 778 Ethics and Leadership in the Public Sector**

This course examines the role and impact of leadership in public organizations, with particular focus on the ethical dimensions of leadership behavior. The course provides an overview of the knowledge, theory, and skills regarding leadership and professional ethics. Topics include charismatic and transformational leadership, leadership styles, the role of the leader in creating ethical climates and building effective ethical cultures, organizational change strategies, power and politics, and motivation strategies. Also covered are the ethical codes, standards, and practices promulgated by the American Society for Public Administration (ASPA) and the International City Management Association (ICMA).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLS 780 Independent Study in Political Science**

*Prerequisite: permission of instructor.*

Carefully planned independent study designed on an individual basis for the advanced student who wishes to investigate a well defined problem not dealt with adequately by standard courses. Normally, a student may take PLS 780 only once to fulfill the requirements of the non-thesis option or as part of the cognate field if pursuing the thesis option.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PLS 781 In-Service Training in Public Administration**

*Prerequisite: permission of Master of Public Administration Program Director.*

Supervised field work in an approved local, state, or national governmental agency including preparation of an acceptable formal report.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 782 Internship/Practicum in International Field**

*Prerequisite: permission of program director.*

Supervised field work in a federal government agency, international governmental/non-governmental organization, multinational corporation, or equivalent. The course requirements include a formal report on the internship/practicum and evaluation by the supervisor.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLS 797 Special Topics in Global Affairs**

*Prerequisite: permission of instructor.*

The specific topics will change from semester to semester, and will include subjects such as international humanitarian law, comparative foreign policy, global Islamic movements, and globalization. Variable content course. May be repeated as topics change.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLS 799 Thesis**

*Prerequisite: permission of Master of Global Studies or Master of Public Administration Program Director and department head.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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https://www.missouristate.edu/registrar/catalog/courses_ps.htm

# Fire Administration

## Certificate(s)

### Fire Administration

The undergraduate certificate in Fire Administration is designed to provide the student with the knowledge and skills to function as a fire service manager, leader, and administrator. Students will learn the important concepts and skills required to successfully perform administrative and managerial roles in emergency service organizations. This program was developed in conjunction with the U.S. Fire Administration's Fire and Emergency Services Higher Education project.

Prerequisite Experience: senior firefighter or junior company officer equivalent to at least three years of experience in a career or busy volunteer fire service agency.

#### Program Requirements

1. PLS 360(3), 361(3), 363(3)

2. Complete three additional hours from the following to total a minimum of 12 hours in the certificate: PLS 362(3), 364(3), 365(3)

## Minor(s)

### Fire Administration

Bachelor of Arts
Bachelor of Science

A. PLS 360(3), 361(3), 362(3), 363(3), 364(3), 365(3)

# International Relations

## Minor(s)

### International Relations

Bachelor of Arts
Bachelor of Science

A. PLS 205(3), 232(3), 535(3)

B. Complete nine additional hours from the following list to total a minimum of 18 hours in the minor, two of these courses must be PLS courses: PLS 333(3), 338(3), 343(3), 437(3), 544(3), 545(3), 546(3), 547(3), 548(3), 550(3), 555(3), 565(3), 569(3); ECO 565(3); GRY 323(3), GRY 507(3)

   **Note:** No more than six hours taken for the BA or BS Political Science major can be counted toward the International Relations minor.

# Political Science

## Major(s)

### Political Science (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (39 hours)

1. Core Requirements* (24 hours)
   a. PLS 169(3), 205(3), 232(3), 255(3); PLS 330(3) or PHI 330(3); PLS 492(0)
   b. One of the following: PLS 316(3), 317(3), 319(3), 413(3), 414(3)
   c. One of the following: PLS 515(3), 517(3), 518(3)
   d. Public Affairs Capstone Experience will be fulfilled by completion of 3 hours from: PLS 399, 493, 494, 498. PLS 497 may be approved by the department if it is study-away related.
2. Electives: Complete 15 hours of electives from at least three of the following subfields:**
   a. American Government and Politics: PLS 316(3), 317(3), 319(3), 399(3), 413(3), 414(3)
   b. International Politics: PLS 301(3), 333(3), 437(3), 535(3), 547(3)
   c. Comparative Governments and Politics: PLS 338(3), 343(3), 544(3), 545(3), 546(3), 548(3), 550(3)
   d. Public Administration: PLS 102(3), 315(3), 351(3), 355(3), 498(3), 555(3), 573(3)
   e. Political Theory: PLS 561(3), 563(3), 565(3), 567(3)
   f. Public Law: CRM 260(3); PLS 419(3), 515(3), 517(3), 518(3)

   **Courses counted toward core requirements will not also count toward elective requirements.*

***Note: PLS 493, 494, 495, 496, 497 will be assigned to fields according to topic. No more than six hours will be counted toward the major from PLS 399, 493, 494, 498.*

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Political Science (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (42 hours)

1. Core Requirements* (27 hours)
    a. PLS 169(3), 205(3), 232(3), 255(3); PLS 330(3) or PHI 330(3); PLS 492(0), 576(3)
    b. One of the following: PLS 316(3), 317(3), 319(3), 413(3), 414(3)
    c. One of the following: PLS 515(3), 517(3), 518(3)
    d. Public Affairs Capstone Experience will be fulfilled by completion of 3 hours from: PLS 399, 493, 494, 498. PLS 497 may be approved by the department if it is study-away related.
2. Electives: Complete 15 hours of electives from at least three of the following subfields:**
    a. American Government and Politics: PLS 316(3), 317(3), 319(3), 399(3), 413(3), 414(3)
    b. International Politics: PLS 301(3), 333(3), 437(3), 535(3), 547(3)
    c. Comparative Governments and Politics: PLS 338(3), 343(3), 544(3), 545(3), 546(3), 548(3), 550(3)
    d. Public Administration: PLS 102(3), 315(3), 351(3), 355(3), 498(3), 555(3), 573(3)
    e. Political Theory: PLS 561(3), 563(3), 565(3), 567(3)
    f. Public Law: CRM 260(3); PLS 419(3), 515(3), 517(3), 518(3)

*Courses counted toward core requirements will not also count toward elective requirements.*

**Note: PLS 493, 494, 495, 496, 497 will be assigned to fields according to topic. No more than six hours will be counted toward the major from PLS 399, 493, 494, 498.*

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Political Science

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

A. Complete courses from at least three of the following six political science fields to bring total to a minimum of 18 hours:

1. American Government and Politics: PLS 316(3), 317(3), 319(3), 399(3), 413(3), 414(3)
2. International Politics: PLS 232(3), 301(3), 437(3), 535(3), 546(3), 547(3)
3. Comparative Politics: PLS 205(3), 338(3), 343(3), 544(3), 545(3), 547(3), 548(3), 550(3)
4. Public Administration: PLS 102(3), 255(3), 315(3), 351(3), 355(3), 498(3), 555(3), 573(3)
5. Political Theory: PLS 330(3) or PHI 330(3), PLS 561(3), 563(3), 565(3), 567(3)
6. Public Law: PLS 419(3), 515(3), 517(3), 518(3)

Note: PLS 169 and 576 will count as minor electives.

## Accelerated graduate program in Global Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Global Studies program and begin taking graduate course work as they complete the work for a

bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Public Administration

Eligible Missouri State undergraduate students majoring in political science may apply for preliminary acceptance into the Master of Public Administration program after admission requirements for the accelerated graduate program have been satisfied. If accepted, a maximum of 12 hours may be counted toward both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

For courses to be designated as Mixed Credit, the graduate advisor, undergraduate department head, and Graduate College dean must approve by signing the Permission for Mixed Credit form. This form must be provided to the Office of the Registrar in Carrington Hall 320 no later than the end of the Change of Schedule Period for the semester. Refer to the Mixed Credit website for procedures.

# Public Administration

## Minor(s)

### Public Administration

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

A. Required Core Courses (12 hours): PLS 102(3), 255(3), 315(3), 351(3)

B. Elective Courses (6 hours): Complete any two of the following courses: ACC 532(3); ECO 425(3), ECO 515(3); PLS 355(3), 498(3), 555(3), 573(3)

**Note:** No more than six hours taken for the BA or BS Political Science major can be counted toward the Public Administration minor.

# Public Law

## Minor(s)

### Public Law

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

A. PLS 419(3) or CRM 260(3); PLS 515(3), 517(3), 518(3)

B. Complete six hours from the following list to total 18 hours in the minor: CRM 210(3); CRM 260(3); HST 517(3); LAW 231(3), LAW 531(3); PHI 340(3); PLS 419(3), PLS 493(1-3), PLS 567(3); PSY 320(3); SOC 380(3)

   **Note:** No more than six hours taken for the BA or BS Political Science major may be counted on the Public Law minor.

# Department of Religious Studies

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Religious Studies (BA, BS, Minor)+

### Graduate

Religious Studies (MA)+

## Contact

**Acting department head**

John E. Llewellyn, PhD

**Office**

Strong Hall, Room 251

**Phone**

417-836-5514

**Fax**

417-836-4757

**Email**

ReligiousStudies@missouristate.edu

**Website**

www.missouristate.edu/relst

# Religious Studies Faculty

## Professors

Stephen C. Berkwitz, PhD

John E. Llewellyn, PhD

Victor H. Matthews, PhD

Kathy J. Pulley, PhD

Austra Reinis, PhD

John T. Strong, PhD

## Associate professors

Leslie A. Baynes, PhD

Mark D. Given, PhD

John A. Schmalzbauer, PhD Blanche Gorman Strong Chair in Protestant Studies

## Assistant professors

Philippa Koch, PhD

Matthew Kuiper, PhD

Vadim Putzu, PhD

## Instructors

Amy Artman, PhD

Lora J. Hobbs, MA

Micki A. Pulleyking, PhD

## Emeritus faculty

Stanley M. Burgess, PhD

LaMoine F. DeVries, PhD

Martha L. Finch, PhD

Charles W. Hedrick, PhD

Karl W. Luckert, PhD

J. Ramsey Michaels, ThD

James C. Moyer, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Religious Studies Courses

## Religion (REL) courses

**REL 100 Introduction to Religion**

*General Education Course (Focus on Cultural Competence).*

Investigates what religion is and does, compares culturally diverse religious ideas and practices. This course explores how religion influences the relationship between individual and community by examining religious ethical systems, and providing community engagement opportunities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REL 101 Old Testament/Hebrew Bible**

*General Education Course (Focus on Humanities).*

Explores the religion, life experiences, cultures, thoughts, and history of the ancient Israelites as found in their literature and artifacts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REL 102 New Testament**

*General Education Course (Focus on Humanities).*

An introduction to early Christian literature and the persons and movements that produced it in their Jewish and Greco-Roman contexts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REL 103 History of the English Bible**

The ancient manuscripts of the Bible; early versions; the English Bible; evaluation of recent translations.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 131 Religion in America**

*General Education Course (Focus on Social and Behavioral Sciences).*

A historical survey of different religious groups in America and their contributions to American identity and values. Includes the connections between religious affiliation and race, ethnicity, gender, politics, the media, and other aspects of U.S. society and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REL 197 Topics in Religious Studies**

Topics of general interest in the area of religious studies such as Humor in the Bible, Religion and Literature, Religion and Film. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**REL 200 Religion in the News**

Increases students' awareness of the presence and relevance of religion in current events and examines the influence of the news media on shaping public awareness and opinion of religion-related issues.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 210 Paths of World Religions**

*General Education Course (Focus on Cultural Competence).*

A global survey of religious movements, including Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Students will learn how these religions have affected individual and cultural identities in history and in the contemporary world.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REL 312 The Hebrew Prophets**

Recommended Prerequisite: REL 101. A survey of the prophetic literature of ancient Israel in its social and historical contexts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 315 Native American Religions**

Recommended Prerequisite: REL 131. A survey of historical and contemporary Native American cultures and spiritualities, including Native responses to European contact and colonization.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 319 The Bible and Film**

This movie-viewing course enables students to compare and to contrast films reflecting on biblical stories and themes. Films are viewed and grouped according to biblical stories, books, and themes and change each semester.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 320 Jesus of Nazareth**

Recommended Prerequisite: REL 102. Jesus as presented in the canonical gospels and other early sources with attention given to literary and historical issues.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**REL 321 Paul**

Recommended Prerequisite: REL 102. An introduction to the historical Paul and scholarly interpretation of his writings.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**REL 323 Apocalypses**

*Prerequisite: REL 101 or REL 102.*

A historical and socio-rhetorical analysis of ancient Jewish and Christian apocalyptic movements and literature with some attention to modern examples. Canonical texts such as Daniel and Revelation will be examined in the context of numerous extra-canonical Jewish and Christian apocalypses.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 330 Judaism**

A survey of the history and religion of the Jewish peoples, including the Holocaust, the State of Israel, and modern Jewish movements.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 332 Modern Religious Thought**

Examines ways modernity impacted philosophy of religion in Europe and North America in the twentieth century. Major movements studied may include: Existentialism (Nietzsche, Kierkegaard, Tillich); Process Thought (Whitehead); Feminism (Ruether, Daly); Deconstruction (Derrida, Caputo); and African American thought (King, Cone).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 335 The Holocaust: Religious Perspectives**

Examines historical, theological and philosophical aspects of the Holocaust, from early anti-Semitism to the modern genocide of six million Jews and other targeted groups during World War II. Includes personal accounts of participants, responses of various religious leaders and institutions, and the significance of the Holocaust today.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 338 Death, Dying, and Afterlife**

This course approaches death from religious, cultural, and historical perspectives. It surveys understandings of the afterlife in several religions, studies how people have prepared to die, and looks at the rituals that people have devised for burying their dead. Students learn how people have relied on religion to make death more understandable and tolerable.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 340 Christianity**

Surveys Christian history from the second century to the present, exploring how past events have led to the development of contemporary churches, denominations, beliefs, and practices. Major topics: Eastern Christianity, Medieval Christendom, the Protestant Reformation, the Enlightenment, and global Christianity in the twenty-first century.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 341 C. S. Lewis**

An analysis of a selection of Lewis's works of fiction and apologetics. Student will interpret these works in their historical, theological, philosophical, literary and cultural contexts. They will also read and discuss critiques of and challenges to Lewis's ideas.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 344 New Religious Movements**

Often negatively designated by outsiders as "cults", New Religious Movements continue to emerge at a rapid rate. This course examines the histories, structures, beliefs, and impacts of such groups as the Church of Jesus Christ of Latter-day Saints, Nation of Islam, Scientology, Raelians, and others.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 345 African American Religious Experience**

Recommended Prerequisite: REL 131. Explores the establishment and maintenance of African American religious institutions, particularly the Black Churches and their future development.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 346 Sexuality and American Religion**

Recommended Prerequisite: REL 131. Examines historical and contemporary beliefs about sexuality as reflected in sexual practices and experiences, such as celibacy, marital and extra-marital sex, and homosexuality, in American Protestantism, Catholicism, Judaism, Islam, and Native American cultures. Also, the ways American social culture and religious attitudes about sexuality have influenced each other.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 347 Suffering and Meaning**

An exploration of religious approaches to suffering, death and the making of meaning in life. Students will survey the complex history of western responses to the "problem of evil" in the Bible, literature, theology, and philosophy of religion by reading texts from Augustine to Derrida.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 348 Religion, Spirituality, and Health**

This course explores the religious history of American hospitals, healing practices in American religions, debates about religiosity and health outcomes, the medical uses of yoga and Eastern meditation, and the heightened attention to spirituality in the health professions. Course content will be related to local health care providers and religious communities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 350 Islam**

Origin, expansion, and continuity of Islam, including pre-Islamic influences, Muhammad, Qur'an and Tradition (hadith), sects, ritual and law, community and worldview, prayer and mysticism.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 355 Buddhism**

Recommended Prerequisite: REL 210. A broad survey of the diverse patterns and expressions of Buddhist life throughout history. Studies will examine the beliefs, practices, and values that have existed among adherents of Theravada, Mahayana, and Vajrayana Buddhism. Course materials will be drawn from Asian and Western cultures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 357 Religions of China and Japan**

Recommended Prerequisite: REL 210. An historical survey of the major religions from East Asia, with particular emphasis given to their doctrines, practices, and institutions. The course will focus on Confucianism, Daoism, Buddhism, and Shinto. Some consideration will also be given to Korean religious traditions, religion in contemporary East Asia, and popular religious traditions. Important themes include cultural adaptation and religious competition in East Asian religious history.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 358 Yoga and Meditation**

An examination of the history, philosophy, and practice of various yoga and meditation traditions from India and China. Emphasis will be given to Hindu, Buddhist, and Daoist systems that were developed for mental concentration, spiritual liberation, and immortality, among other religious aims. After surveying the development of yoga and meditation in Asia, the course will explore their uses in popular culture and health care in modern American society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 360 Hinduism**

Recommended Prerequisite: REL 210. An historical and thematic survey of the religions of India from the Vedic period to the present day.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 362 Jesus and the Parable Tradition**

A survey of extant parables in Greek, Jewish, Gnostic, Synoptic and Patristic traditions, and an examination of the history of methods in the interpretation of the Parables of Jesus. In the light of this study the student will read and interpret selected parables of Jesus.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 365 The Life and Thought of Martin Luther King, Jr.**

Recommended Prerequisite: REL 131. Studies the cultural roots, intellectual odyssey, social thought and action of Martin Luther King, Jr. Investigates his role in the Civil Rights Movement and compares him with other prominent leaders of this century.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**REL 370 Women and Religion**

Exploration of women's roles in Christianity and other religions. Alienation from places of power has had profound implications for the personal, social, political, economic, and religious aspects of women's existence. Course will examine patterns of religious domination of women and explore possibilities for transformation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**REL 385 Religious Studies Service Learning**

*Prerequisite: 30 hours, concurrent registration in a Religious Studies course designated as a service learning offering.*

Designed to provide a learning environment for research and reflection on the meaning of public and community service, this course is intended to strengthen human communities by modeling an ethos of service and integrating service into the Religious Studies curriculum. May be repeated.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**REL 390 Religion in Society**

Examines the relationship between religion and its social context. Students will explore the social nature of individual religious institutions. The relationship between religion and modernity will be studied. The course will pay special attention to the role of religion in American society, as well as the religious dimensions of class, gender, region, and race/ethnicity. Identical with SOC 390. Cannot receive credit for both REL 390 and SOC 390.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 397 Religious Studies Topics**

Recommended Prerequisite: 3 hours in Religious Studies. Selected topics of general interest in Religious Studies. Examples: Introduction to Archaeology and the Bible, Women in the Bible, Dead Sea Scrolls, the Holocaust, C. S. Lewis, Food and American Religion. May be repeated, as topics change, to a maximum of 9 hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**REL 399 Independent Study**

*Prerequisite: 9 hours in Religious Studies and permission of instructor.*

Independent study of a Religious Studies topic related to student's major or special interest. Before registering for the course, student and instructor must sign an agreement that details the course requirements. May be repeated to a total of 6 hours. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**REL 499 Internship in Religious Studies**

*Prerequisite: Religious Studies major or minor and permission of instructor.*

Supervised work experience in order to pursue a special interest in a professional setting where the student utilizes knowledge and skills acquire in the Religious Studies major or minor. May be repeated for a total of 6 hours, but no more than 3 hours may be counted toward the Religious Studies major or minor.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**REL 510 Topics in Biblical Studies**

*Prerequisite: 50 hours.*

Recommended Prerequisite: REL 101 or REL 102. Advanced study of canonical and non-canonical texts and related subjects. Examples: Genesis, The Social World of Ancient Israel, Dead Sea Scrolls, Historical Jesus, Acts as History and Literature, Revelation and Apocalyptic Literature. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 615. Cannot receive credit for both REL 615 and REL 510 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 530 Topics in Religion and Culture**

*Prerequisite: 50 hours.*

Recommended Prerequisite: REL 100 or REL 131. Explores advanced issues in the study of religion as a component of cultural life including issues of gender, race, and ethnicity. Examples of topics: Religion and Politics; Religion, Media, and Popular Culture; Religion and Visual Culture; American Religious Communities; Lived Religion; Bible Belt Religion; Food and Religion; Women and Religion. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 635. Cannot receive credit for both REL 635 and REL 530 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 531 Ozarks Religion**

*Prerequisite: 50 hours.*

Recommended Prerequisite: REL 131 or REL 390 or SOC 390 or HST 375 or ENG 385. Explores the rich and varied terrain of Ozarks religious life, focusing on the impact of social change. This theme is explored through readings on rural and urban communities, Protestant revivalism, folklore and traditional practices, Ozarks Jewish life, Bible Belt Catholicism, Branson tourism, and the new immigrants. Students will use the methods of oral history interviewing and field observation to make sense of Ozarks religion. May be taught concurrently with REL 636. Cannot receive credit for both REL 531 and REL 636.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 540 Topics in the Religions of Asia**

*Prerequisite: 50 hours.*

Recommended Prerequisite: REL 210. Studies of advanced topics in the comparative religions of Asia or in the history of a particular religious tradition. Topics may include material ranging from ancient history to the present day. Examples: Colonialism, Religion and Culture, Yoga, Fundamentalism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 645. Cannot receive credit for both REL 645 and REL 540 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 550 Topics in Religions of Europe and the Middle East**

*Prerequisite: 50 hours.*

Recommended Prerequisite: REL 330, REL 340, or REL 350. Selected topics of advanced content in Judaism, Christianity, and/or Islam. Examples: Jewish Mysticism; Jewish Philosophy; The Spirituality of Martin Luther and John Calvin; Women in the History of Christianity; Islamic Law and Ethics; Sufism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 655. Cannot receive credit for both REL 550 and REL 655 for the same topic.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**REL 570 Archaeology and the Bible**

*Prerequisite: 50 hours.*

Recommended prerequisite: REL 101 or REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Bible. Methods and objectives of archaeological research, including a brief history of Near Eastern archaeology. May be taught concurrently with REL 675. Cannot receive credit for both REL 675 and REL 570.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 580 Theories of Religion**

*Prerequisite: 60 hours and permission.*

This required course for majors surveys influential theories of religion from the Enlightenment to the present and includes their relationship to public affairs. Students will write a major research paper involving theoretical perspectives learned in the course. May be taught concurrently with REL 685. Cannot receive credit for both REL 685 and REL 580. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**REL 615 Topics in Biblical Studies**

Recommended Prerequisite: REL 101 or REL 102. Advanced study of canonical and non-canonical texts and related subjects. Examples: Genesis, The Social World of Ancient Israel, Dead Sea Scrolls, Historical Jesus, Acts as History and Literature, Revelation and Apocalyptic Literature. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 510. Cannot receive credit for both REL 615 and REL 510 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 635 Topics in Religion and Culture**

Recommended Prerequisite: REL 100 or REL 131. Explores advanced issues in the study of religion as a component of cultural life including issues of gender, race, and ethnicity. Examples of topics: Religion and Politics; Religion, Media, and Popular Culture; Religion and Visual Culture; American Religious Communities; Lived Religion; Bible Belt Religion; Food and Religion; Women and Religion. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 530. Cannot receive credit for both REL 530 and REL 635 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 636 Ozarks Religion**

Recommended Prerequisite: REL 131 or REL 390 or SOC 390 or HST 375 or ENG 385. Explores the rich and varied terrain of Ozarks religious life, focusing on the impact of social change. This theme is explored through readings on rural and urban communities, Protestant revivalism, folklore and traditional practices, Ozarks Jewish life, Bible Belt Catholicism, Branson tourism, and the new immigrants. Students will use the methods of oral history interviewing and field observation to make sense of Ozarks religion. May be taught concurrently with REL 531. Cannot receive credit for both REL 636 and REL 531.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 645 Topics in Religions of Asia**

Recommended Prerequisite: REL 210. Studies of advanced topics in the comparative religions of Asia or in the history of a particular religious tradition. Topics may include material ranging from ancient history to the present day. Examples: Colonialism, Religion and Culture, Yoga, Fundamentalism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 540. Cannot receive credit for both REL 540 and REL 645 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 655 Topics in Religions of Europe and the Middle East**

Recommended Prerequisite: REL 330, REL 340, or REL 350. Selected topics of advanced content in Judaism, Christianity, and/or Islam. Examples: Jewish Mysticism; Jewish Philosophy; The Spirituality of Martin Luther and John Calvin; Women in the History of Christianity; Islamic Law and Ethics; Sufism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 550. Cannot receive credit for both REL 655 and REL 550 for the same topic.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**REL 675 Archaeology and the Bible**

Recommended Prerequisite: REL 101 or REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Bible. Methods and objectives of archaeological research, including a brief history of Near Eastern archaeology. May be taught concurrently with REL 570. Cannot receive credit for both REL 570 and REL 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 685 Theories of Religion**

*Prerequisite: permission of department head.*

This required course for graduate students surveys influential theories of religion from the Enlightenment to the present. Students will write a major research paper involving theoretical perspectives learned in the course. May be taught concurrently with REL 580. Cannot receive credit for both REL 580 and REL 685.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**REL 711 Seminar in Religions of Asia**

This seminar will examine a specific topic or tradition within Asian religions. Students can expect to do focused reading, discussion, and research on a particular subject related to the Hindu, Buddhist, Islamic, and/or other traditions of Asia. Historical and contemporary material, along with critiques of scholarship in the field, may be considered. May be repeated once if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 731 Seminar in Biblical Studies**

Recommended Prerequisite: REL 730. This seminar examines a specific topic within the history and literature of the Hebrew Bible/Old Testament and/or New Testament. Students can expect to do focused reading, discussion, and research on a particular historical, literary, and/or methodological issue pertaining to the topic. Variable content course. May be repeated once if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 751 Seminar in Religions of Europe and the Middle East**

Detailed study of selected persons, authors, movements, and eras in the history of Judaism, Christianity, Islam, or other religions of Europe and the Middle East. Variable content course. May be repeated once if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 771 Seminar in Religion and Culture**

Recommended Prerequisite: REL 770. A seminar applying various perspectives to individual religious practice and religious institutions in selected Western and non-Western societies. May be repeated once if topic is different.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**REL 796 Readings in Religious Studies**

*Prerequisite: recommendation of the Religious Studies general graduate advisor and permission of instructor.*

Arranged program of readings for the individual student directed by a member of the graduate faculty. Before enrolling in the course, student and instructor must sign an agreement that details the course requirements. Variable content course. May be repeated, when topics varies, to a maximum of 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**REL 799 Thesis**

*Prerequisite: recommendation of the Religious Studies general graduate advisor and permission of student's thesis advisor.*

The student will prepare an in-depth thesis on a clearly-defined topic within his or her area of specialization. Before enrolling in the course, student and thesis advisor must sign an agreement that details the course requirements. May be repeated to a maximum of 6 hours.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

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# Religious Studies

## Major(s)

### Religious Studies (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements

1. REL 100(3), 101(3), 102(3), 131(3), 210(3), 580(3)

2. Complete 15 hours from the following four areas, distributed so that there will be at least six hours in one area and three hours in each of the other three areas. Courses must be chosen to include at least one 500-level course and another course at the 300-level or higher*:

   a. Religions of Asia: REL 355(3), 357(3), 358(3), 360(3), 540(3)

   b. Biblical Studies: REL 312(3), 319(3), 320(3), 321(3), 323(3), 362(3), 510(3), 570(3)

   c. Religions of Europe and the Middle East: REL 103(1), 330(3), 335(3), 338(3), 340(3), 341(3), 350(3), 550(1-3)

   d. Religion and Culture: REL 200(1), 315(3), 332(3), 344(3), 345(3), 346(3), 347(3), 348(3), 365(3), 370(3), 530(3), 531(3); REL 390(3) or SOC 390(3) or PSY 533(3)

   *Variable content courses (REL 197, 397, 399, 499) may be counted where appropriate with the approval of the advisor and department head.

3. Public Affairs Capstone Experience will be fulfilled by completion of REL 580(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

## Religious Studies (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. REL 100(3), 101(3), 102(3), 131(3), 210(3), 580(3)

2. Complete 21 hours from the following four areas, distributed so that there will be at least three hours in each of the areas at the 300-level or higher*. Courses must be chosen to include at least one 500-level course:

   a. Religions of Asia: REL 355(3), 357(3), 358(3), 360(3), 540(3)

   b. Biblical Studies: REL 312(3), 319(3), 320(3), 321(3), 323(3), 362(3), 510(3), 570(3)

   c. Religions of Europe and the Middle East: REL 103(1), 330(3), 335(3), 338(3), 340(3), 341(3), 350(3), 550(1-3)

   d. Religion and Culture: REL 200(1), 315(3), 332(3), 344(3), 345(3), 346(3), 347(3), 348(3), 365(3), 370(3), 530(3), 531(3); REL 390(3) or SOC 390(3) or PSY 533(3)

   *Variable content courses (REL 197, 397, 399, 499) may be counted where appropriate with the approval of the advisor and department head.

3. Public Affairs Capstone Experience will be fulfilled by completion of REL 580(3).

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

# Minor(s)

## Religious Studies

Bachelor of Arts
Bachelor of Science

Bachelor of Science in Nursing
Bachelor of Social Work

A. REL 100(3); REL 101(3) or 102(3); REL 210(3)

B. Complete nine additional hours of Religious Studies electives to include at least six hours of courses at the 300-level or higher to total 18 hours in minor. PSY 533(3) may be used toward the nine hours of electives.

## Religious Studies

Bachelor of Science in Education (Non-Certifiable)

A. REL 100(3); REL 101(3) or 102(3); REL 210(3)

B. Complete nine additional hours of Religious Studies electives to include at least six hours of courses at the 300-level or higher to total 18 hours in minor. EDC 345(3) and PSY 533(3) may be used toward the nine hours of electives.

## Accelerated graduate program in Religious Studies

Eligible Missouri State undergraduate students may apply for admission to the Religious Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Sociology and Anthropology

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Anthropology (BA, BS, Minor)+

Linguistics (Minor)
Interdisciplinary program offered
by Department of Sociology and Anthropology
and College of Arts and Letters

Sociology (BA, BS, Minor)

### Graduate

Applied Anthropology (MS)+

Cultural Resource Management Archaeology
(Certificate)

## Mission statement

The Department of Sociology and Anthropology exists to educate students in the principles, methods, and contents of sociology and anthropology/archaeology; to conduct scholarly endeavors in these fields; and to provide service activities for the Department, College of Humanities and Public Affairs, Missouri State University, the State of Missouri, the human community, and discipline-based organizations. We carry out these endeavors within the context of the public affairs mission of the University.

## Contact

**Department head**

David Rohall, PhD

**Office**

Strong Hall, Room 451

**Phone**

417-836-5640

**Fax**

417-836-6416

**Email**

SociologyAnthropology@MissouriState.edu

**Website**

soc-ant.missouristate.edu

# Sociology and Anthropology Faculty

## Professors

John B. Harms, PhD

Tim D. Knapp, PhD

William C. Meadows, PhD

David Rohall, PhD

Elizabeth A. Sobel, PhD

Suzanne E. Walker-Pacheco, PhD

## Assistant professors

Lyle Q. Foster, MA

Laura B. Hart, MA

Catherine Hoegeman, PhD

Erin J. Kenny, PhD

Kyler J. Sherman-Wilkins, PhD

Alicia M. Walker, PhD

Marnie K. Watson, PhD

F. Scott Worman, PhD

## Instructor

Jason A. Shepard, MPH

## Emeritus faculty

Gary L. Brock, PhD

Margaret L. Buckner, PhD

Doris W. Ewing, PhD

Shahin Gerami, PhD

Donald D. Landon, PhD

William E. Larkin, PhD

Jeffrey E. Nash, PhD

Marvin T. Prosono, PhD

Burton L. Purrington, PhD

Lorene H. Stone, PhD

William A. Wedenoja, PhD

Martha F. Wilkerson, PhD

Juris Zarins, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Sociology and Anthropology Courses

## Anthropology (ANT) courses

**ANT 100 World Cultures**

*General Education Course (Focus on Cultural Competence).*

An exploration of cultural differences throughout the world, with emphasis on nonwestern societies, from the perspective of cultural anthropology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANT 125 Exploring Our Human Ancestry**

*General Education Course (Focus on Social and Behavioral Sciences).*

This course explores what it means to be human by tracing our biological and cultural roots. Topics include the evolutionary process; our place among the living primates; fossil and archaeological evidence of human ancestors; and the origins of language, society, and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANT 226 Cultural Anthropology**

The comparative study of human society and culture, focusing on theories of culture and cultural institutions and ethnographic and cross-cultural methods of research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 227 Biological Anthropology**

An examination of biological aspects of humanity from comparative and evolutionary perspectives. Topics include evolutionary theory, the origin and evolution of nonhuman primates and humans, primate behavior, biological variation among human populations, and anatomical and physiological influences on behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 240 Introduction to Archaeology**

An introduction to the goals, methods, theories, issues, and ethics of archaeology-the study of cultures in the past from the remains they left behind. Topics will include archaeological survey, excavation, dating techniques, artifact analysis, conservation, and cultural adaptation and change.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**ANT 280 Linguistic Anthropology**

This course is an introduction to the field of linguistic anthropology, with special emphasis on language as a basic component of human culture. Subjects include the humanness of language, the study of linguistic structure, description and analysis of languages, origins of human speech, the history of languages and writing, the use of language in social relations, and the relationship among language, thought, and culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANT 301 Anthropology of Religion**

*Prerequisite: ANT 100 or ANT 226 or REL 210.*

Anthropological theory and cross-cultural comparison of religious belief and behavior, such as magic, sorcery, witchcraft, mythology, ritual, totemism, shamanism, cults and movements.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 302 Psychological Anthropology**

*Prerequisite: ANT 100 or 226.*

Cross-cultural and evolutionary perspectives on socialization, the self, personality, gender, normality, deviance, mental disorders, cognition, and emotion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 309 Service Learning in Anthropology**

*Prerequisite: 30 hours and concurrent registration in an anthropology course designated as a service learning offering.*

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public sector provider. The community service placement agency and service assignment will vary, dependent on the disciplinary course topic and learning objectives. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ANT 320 Ethnography**

*Prerequisite: ANT 100 or ANT 226.*

In this course students will read, critique, and compare selected ethnographic accounts of societies around the world and explore ways in which anthropologists have written about and interpreted cultures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 325 North American Indian Cultures**

*Prerequisite: ANT 100 or ANT 226.*

A survey and comparison of Native American societies and cultures in North America (north of Mexico), including their ecology, subsistence, technology, social organization, politics, and religion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 326 Plains Indian Cultures**

This course examines the origins, development, and traditional cultures of Native American groups in the North American Plains region. Topics will include the prehistoric record, historical influences, material culture, subsistence, languages, social organization, trade, law and social control, warfare and alliances, art and religion.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 330 Peoples and Cultures**

Anthropological study of a cultural region of the world (such as the Caribbean, Latin America, or Southeastern Indians), including environment, subsistence, technology, economy, social and political organization, and religion. May be repeated when topic changes. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 331 Peoples and Cultures of the Caribbean**

An introduction to the peoples, societies, and cultures of the Caribbean region, which includes the islands of the West Indies and portions of Central and South America. This course will examine the development of the region from prehistoric times to the present and the effects of the Atlantic slave trade, the African diaspora, sugar plantations, and Spanish, British, French, Dutch, and American colonialism on the region today.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 332 Peoples and Cultures of Africa**

An exploration of African societies (especially sub-Saharan), including family structure, gender relations, social and political organization, beliefs, economics, art, oral literature, music, dance, and other aspects of culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 334 Peoples and Cultures of Japan**

An anthropological survey of the culture and cultural development of the peoples of Japan, from prehistory to the present, including cultural ideology and ethos, social organization, major cultural principles, customs, religion, technology, material culture, and the arts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 335 Peoples and Cultures of the Middle East**

*Prerequisite: ANT 100 or ANT 226.*

A survey presentation of key themes and problems to be found in the Middle East, ranging from the re-establishment of Israel to modernity and tradition in the greater Arab Near East. In addition, topics ranging from the individual to state formation will be discussed. Traditional society, customs, and historical patterns will be examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 340 Old World Archaeology**

*Prerequisite: ANT 240 or ANT 250.*

A detailed survey of prehistory in selected areas of Europe, Africa, the Middle East, the Far East, Australia and Oceania. Emphasis on the latest theoretical considerations and outstanding archaeological problems of each region.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 345 Historical Archaeology**

*Prerequisite: ANT 240.*

Historical archaeology investigates the emergence of the modern world over the past ca. 500 years through the study of the material traces of human behavior, in conjunction with the study of written and oral records. This course provides an in-depth introduction to the field of historical archaeology including its methods, theoretical approaches, debates, and applications. Key topics include the historical archaeology of colonialism, slavery, class, gender, ethnicity, consumerism, capitalism, and industrialization. By the end of the course, students will understand how archaeologists recover, analyze, and interpret historical artifacts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 351 Field Archaeology**

*Prerequisite: ANT 125 or ANT 240; and permission.*

Field experience in the techniques, methods and theories of reconnaissance and excavation of archaeological sites. May be repeated to a total of 9 hours. Supplemental course fee.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 355 Environmental Archaeology**

*Prerequisite: ANT 240 or BIO 122 or GLG 110 or GLG 171 or GRY 108 or GRY 142.*

This course focuses on the archaeological study of human interactions with the environment over long periods of time and in multiple settings. It will emphasize both the methods scientists in multiple disciplines use to reconstruct past environments and the conceptual frameworks that are relevant to understanding how people acted on and reacted to the changing world around them. As a holistic and diachronic study of the socio-natural system, environmental archaeology can provide unique perspectives on today's ecological challenges.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 360 North American Archaeology**

*Prerequisite: ANT 240.*

Americanist archaeology is distinctive as a set of theoretical and methodological orientations. This course illustrates those orientations through archaeological case studies of initial human migrations, hunting-and-gathering societies, the formation of more complex polities, and European colonialism in North America. The multiple contexts of archaeological research and its impacts on living people are also considered.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 363 Survey of Forensic Anthropology**

A survey of the scope of forensic anthropology, which deals with identification and interpretation of human skeletal remains in medico-legal contexts. Included in this course are both theoretical and practical components. Topics to be discussed include the history and ethics of forensic anthropology, forensic investigation, influence of activity and disease on bone, and human rights applications. Practical aspects cover identification of bones and features of the human skeleton; techniques for determining age, sex, stature and race, and distinguishing human from nonhuman skeletal remains.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 365 Human Variation**

*Prerequisite: ANT 227, or BIO 101 and 111, or BIO 121, or BMS 100 and 101, or BMS 110 and 111.*

An examination of ways in which humans have adapted both genetically and physiologically to a wide variety of environments and how these adaptations have produced the biological variation seen in contemporary human populations. Major topics will include historical and current approaches to classifying human groups, human growth and development, adaptation and acclimatization to specialized environments, genetic disease, and tracing lineages through DNA analysis. It will also explore recent studies relating human biology to social constructs such as gender, race, ethnicity, and intelligence.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 370 The Living Primates**

*Prerequisite: ANT 227 or BIO 122 or PSY 336.*

An introduction to the human species' closest relatives, the nonhuman primates (prosimians, monkeys, and apes); their taxonomy, distribution, morphology, ecology, evolution, behavior, and conservation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 375 Human Evolution**

*Prerequisite: ANT 227 or BIO 122.*

An exploration into the evolution of the human species, through examination of fossil and molecular evidence.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 380 Language and Culture**

*Prerequisite: ANT 280 or ENG 296.*

Advanced study in linguistic anthropology on topics such as ethnographies of speaking, ethnolinguistics, language change and historical linguistics. Variable content course. May be repeated when topic changes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 381 Language, Thought, and Culture**

*Prerequisite: ANT 280 or ENG 296.*

This course explores the relationship among language, thought, and culture; how language delineates underlying categories of human experience, and how language influences perspective on the world and everyday behavior. Specific topics will include linguistic relativity, the Whorf hypothesis, language and world-view, and metaphor.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 382 Writing, Literacy, and Orality**

*Prerequisite: ANT 280 or ENG 296.*

This course explores the development and structure of writing systems around the world, and the relationship between writing systems and languages; the effects writing and literacy have had on social, political, and religious institutions, as well as on psychology and cognition; characteristics of oral societies; and knowledge, memory, and performance in oral vs. literate societies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 390 Native American Code Talkers**

This course explores the use of Native American languages in U.S. military service during World War I and World War II. The cultural background of code talkers, their recruitment, use in combat situations and post war experiences will be examined, along with their unique status in Native American cultures and recent efforts to document and recognize them.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 397 Special Topics**

Selected topics such as primitive technology, cultural ecology and behavioral evolution. May be repeated to a total of 9 hours when topic changes. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 490 Field Experience in Anthropology**

*Prerequisite: permission of instructor.*

Supervised group study and/or research in an off campus setting. A fee may be charged to cover travel expenses. May be repeated when subject changes.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 499 Internship in Anthropology**

*Prerequisite: 18 hours of ANT and permission of instructor.*

This independent study course provides an opportunity to earn academic credit for supervised work experience related to anthropology with an approved business, industry, organization, or government agency. May be repeated to a total of six hours. Graded Pass/Not Pass only.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 500 Applied Cultural Anthropology**

*Prerequisite: ANT 226 and 75 hours.*

An introduction to the field of applied anthropology, which is the application of anthropological methods, theories, and knowledge to the problems of society. Applied anthropology is the fastest growing field of anthropology today because it provides a basis for many careers. Course will examine the role of cultural anthropologists in areas such as foreign aid and development projects, migrant and refuge services, disasters and humanitarian assistance, human rights issues, business and industry, health and medicine, tourism, environmental protection, fisheries management, the military, and cultural preservation. May be taught concurrently with ANT 600. Cannot receive credit for both ANT 500 and ANT 600.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 505 Ethnohistory**

*Prerequisite: ANT 226 and 80 hours.*

The use of documents, maps, photos, recordings, oral histories, artifacts, folklore, linguistics, and ethnography to reconstruct the culture history of a social or ethnic group, particularly historically marginalized peoples such as Native Americans. May be taught concurrently with ANT 605. Cannot receive credit for both ANT 505 and ANT 605. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 510 Ethnographic Field Methods**

*Prerequisite: ANT 226 and 80 hours.*

Ethnographic methods and techniques in the study of culture, with emphasis on participant-observation, interviewing, note-taking and management, data analysis, and ethics. May be taught concurrently with ANT 611. Cannot receive credit for both ANT 611 and ANT 510. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 514 Anthropology of Development**

*Prerequisite: ANT 226 and 75 hours.*

This course examines theories, concepts, underlying assumptions, and case studies about aid and other assistance to developing nations. It will consider the various meanings given to development by residents of particular regions, as well as those of aid workers, policy makers, private industries, non-governmental and non-profit organizations, and government officials. The course will examine how development projects and policies in areas such as public health and food systems are experienced in daily life in urban and rural areas in Africa, Latin American, and Asia. Students will develop critical thinking skills about the role of culture in the complex and diverse world of international aid. May be taught concurrently with ANT 614. Cannot receive credit for both ANT 514 and ANT 614.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 515 Medical Anthropology**

An examination of health, illness and healing from an applied anthropological perspective, Medical anthropology is one of the largest fields in the discipline of anthropology today, and one that has obvious applications. Topics may include: evolutionary perspectives on illness, the cultural construction of illness, cross-cultural variations in illness and healing, ethnomedical beliefs and practices, shamanism and other forms of symbolic healing, ethnobotany, and relations between biomedicine and ethnomedicine. May be taught concurrently with ANT 615. Cannot receive credit for both ANT 515 and ANT 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 516 Anthropology of Tourism**

*Prerequisite: ANT 226 and 75 hours.*

Tourism is a huge, powerful, and problematic industry that is having profound effects on peoples and cultures around the globe today, particularly in societies traditionally studied by anthropologists. The anthropological study of tourism seeks to understand the motives and experiences of the tourist, the relationships between "hosts" and "guests", and the impacts of the industry on communities, cultures, and identities. This course pays particular attention to ethnic, cultural, and heritage tourism and to "best practices" that promote sustainable community development as well as social justice and cultural preservation. May be taught concurrently with ANT 616. Cannot receive credit for both ANT 516 and ANT 616.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 525 North American Indians Today**

*Prerequisite: ANT 325 or 80 hours.*

Focuses on major developments in North American Indian life in the 20th and 21st centuries, including cultural, social, economic, political, environmental, and legal issues that affect Native Americans today. May be taught concurrently with ANT 626. Cannot receive credit for both ANT 626 and ANT 525. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 545 Cultural Resource Management**

*Prerequisite: ANT 240; 80 hours; and permission of instructor.*

An examination of laws and regulations pertaining to the preservation of American history and culture and the professional management and preservation of ethnic, historic, and prehistoric cultural resources. May be taught concurrently with ANT 645. Cannot receive credit for both ANT 545 and ANT 645. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANT 550 Advanced Methods in Archaeology**

*Prerequisite: ANT 240 and 80 hours.*

Advanced study and practice in methods and techniques employed in archaeology such as lithic, ceramic, and faunal analysis. Variable content course. May be repeated when topic changes. May be taught concurrently with ANT 650. Cannot receive credit for both ANT 650 and ANT 550 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 551 Lithics**

*Prerequisite: ANT 240; and 60 hours; and permission of instructor.*

An introduction to the study of prehistoric stone tools. Classes will include both a seminar component devoted to fundamental theoretical and methodological issues and a hands-on component designed to instruct students on the manufacture, identification and analysis of flaked stone artifacts. Students will become familiar with the major issues in lithic analysis, gain a basic understanding of flint knapping and, by the end of the course, will be prepared to conduct basic lithic research on their own. May be taught concurrently with ANT 651. Cannot receive credit for both ANT 551 and ANT 651.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 552 Zooarchaeology**

*Prerequisite: ANT 240; and 60 hours; and permission of instructor.*

An introduction to the study of animal remains from archaeological sites. Classes will include both a seminar component devoted to fundamental theoretical and methodological issues and a hands-on component designed to instruct students in vertebrate osteology and the identification and analysis of animal remains. Students will become familiar with the major issues in zooarchaeology, will gain a basic understanding of the vertebrate skeleton, and by the end of the course, will be prepared to conduct basic faunal research on their own. May be taught concurrently with ANT 652. Cannot receive credit for both ANT 552 and ANT 652.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 555 Archaeological Theory**

*Prerequisite: ANT 240; and 80 hours; and permission of instructor.*

A comprehensive and in-depth examination of theoretical issues and perspectives concerning the practice of archaeology and the interpretation of archaeological remains. May be taught concurrently with ANT 655. Cannot receive credit for both ANT 555 and ANT 655.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 595 History of Anthropological Theory**

*Prerequisite: ANT 226 and 80 hours.*

Senior culminating course for Anthropology majors. This course traces the development of anthropology and anthropological theory, with emphasis on the major theorists and schools of thought in the twentieth century.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 596 Directed Readings in Anthropology**

*Prerequisite: 6 hours of ANT and permission of instructor.*

Readings designed to supplement material introduced in previous anthropology courses. Includes a wide selection of literature in the field. May be repeated to a total of 6 hours. Cannot receive credit for more than 6 hours of ANT 596 and ANT 696 combined.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ANT 598 Seminar in Anthropology**

*Prerequisite: 60 hours and permission of instructor.*

A detailed investigation and analysis of a specialized or advanced topic of interest to anthropology (e.g., Upper Paleolithic art, the evolution of human behavior, ethnographies of religion). May be repeated when topic changes. Variable content course. May be taught concurrently with ANT 698. Cannot receive credit for both ANT 698 and ANT 598.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 599 Directed Research in Anthropology**

*Prerequisite: 9 hours in Anthropology and permission of instructor.*

Individual or group research involving supervised collection and analysis of cultural data. May be repeated to a total of 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**ANT 600 Applied Cultural Anthropology**

An introduction to the practice of applied anthropology, which is the application of anthropological methods, theories, and knowledge to the problems of society. Applied anthropology is the fastest growing field of anthropology today and provides a basis for many careers. We will examine the role of anthropologists in areas such as foreign aid and development projects, migrant and refugee services, disasters and humanitarian assistance, human rights issues, business and industry, health and medicine, tourism, environmental protection, fisheries management, the military, and cultural preservation. May be taught concurrently with ANT 500. Cannot receive credit for both ANT 500 and ANT 600.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 605 Ethnohistory**

*Prerequisite: permission of instructor.*

The use of documents, maps, photos, recordings, oral histories, artifacts, folklore, linguistics, and ethnography to reconstruct the culture history of a social or ethnic group, particularly historically marginalized peoples such as Native Americans. May be taught concurrently with ANT 505. Cannot receive credit for both ANT 605 and ANT 505.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 611 Ethnographic Field Methods**

Ethnographic methods and techniques in the study of culture, with emphasis on participant-observation, interviewing, note-taking and management, data analysis, and ethics. May be taught concurrently with ANT 510. Cannot receive credit for both ANT 510 and ANT 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 614 Anthropology of Development**

This course examines theories, concepts, underlying assumptions, and case studies about aid and other assistance to developing nations. It will consider the various meanings given to development by residents of particular regions, as well as those of aid workers, policy makers, private industries, non-governmental and non-profit organizations, and government officials. The course will examine how development projects and policies in areas such as public health and food systems are experienced in daily life in urban and rural areas in Africa, Latin American, and Asia. Students will develop critical thinking skills about the role of culture in the complex and diverse world of international aid. May be taught concurrently with ANT 514. Cannot receive credit for both ANT 514 and ANT 614.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 615 Medical Anthropology**

An examination of health, illness and healing from an applied anthropological perspective, Medical anthropology is one of the largest fields in the discipline of anthropology today, and one that has obvious applications. Topics may include: evolutionary perspectives on illness, the cultural construction of illness, cross-cultural variations in illness and healing, ethnomedical beliefs and practices, shamanism and other forms of symbolic healing, ethnobotany, and relations between biomedicine and ethnomedicine. May be taught concurrently with ANT 515. Cannot receive credit for both ANT 615 and ANT 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 616 Anthropology of Tourism**

Tourism is a huge, powerful, and problematic industry that is having profound effects on peoples and cultures around the globe today, particularly in societies traditionally studied by anthropologists. The anthropological study of tourism seeks to understand the motives and experiences of the tourist, the relationships between "hosts" and "guests", and the impacts of the industry on communities, cultures, and identities. This course pays particular attention to ethnic, cultural, and heritage tourism and to "best practices" that promote sustainable community development as well as social justice and cultural preservation. May be taught concurrently with ANT 516. Cannot receive credit for both ANT 516 and ANT 616.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 626 North American Indians Today**

Focuses on major developments in North American Indian life in the 20th and 21st centuries, including cultural, social, economic, political, environmental, and legal issues that affect Native Americans today. May be taught concurrently with ANT 525. Cannot receive credit for both ANT 525 and ANT 626.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 645 Cultural Resource Management**

*Prerequisite: permission of instructor.*

An examination of laws and regulations pertaining to the preservation of American history and culture and the professional management and preservation of ethnic, historic, and prehistoric cultural resources. May be taught concurrently with ANT 545. Cannot receive credit for both ANT 645 and ANT 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANT 650 Advanced Methods in Archaeology**

*Prerequisite: permission of instructor.*

Advanced study and practice in methods and techniques employed in archaeology such as lithic, ceramic, and faunal analysis. Variable content course. May be repeated when topic changes. May be taught concurrently with ANT 550. Cannot receive credit for both ANT 650 and ANT 550 for the same topic.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 651 Lithics**

*Prerequisite: permission of instructor.*

An introduction to the study of prehistoric stone tools. Classes will include both a seminar component devoted to fundamental theoretical and methodological issues and a hands-on component designed to instruct students on the manufacture, identification and analysis of flaked stone artifacts. Students will become familiar with the major issues in lithic analysis, gain a basic understanding of flint knapping and, by the end of the course, will be prepared to conduct basic lithic research on their own. May be taught concurrently with ANT 551. Cannot receive credit for both ANT 651 and ANT 551.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 652 Zooarchaeology**

*Prerequisite: permission of instructor.*

An introduction to the study of animal remains from archaeological sites. Classes will include both a seminar component devoted to fundamental theoretical and methodological issues and a hands-on component designed to instruct students in vertebrate osteology and the identification and analysis of animal remains. Students will become familiar with the major issues in zooarchaeology, will gain a basic understanding of the vertebrate skeleton, and by the end of the course, will be prepared to conduct basic faunal research on their own. May be taught concurrently with ANT 552. Cannot receive credit for both ANT 652 and ANT 552.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 655 Archaeological Theory**

*Prerequisite: permission of instructor.*

A comprehensive and in-depth examination of theoretical issues and perspectives concerning the practice of archaeology and the interpretation of archaeological remains. May be taught concurrently with ANT 555. Cannot receive credit for both ANT 655 and ANT 555.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 695 History of Anthropological Theory**

This course traces the development of anthropology and anthropological theory, with emphasis on the major theorists and schools of thought in the twentieth century. May be taught concurrently with ANT 595. Cannot receive credit for both ANT 595 and ANT 695.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 698 Seminar in Anthropology**

A detailed investigation and analysis of a specialized or advanced topic of interest to anthropology (e.g., Upper Paleolithic art, the evolution of human behavior, ethnographies of religion). May be repeated when topic changes. Variable content course. May be taught concurrently with ANT 598. Cannot receive credit for both ANT 598 and ANT 698.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 701 Graduate Colloquium in Applied Anthropology**

*Prerequisite: acceptance into a graduate program in Anthropology.*

An introduction to graduate study, careers, and professionalization in applied anthropology. Incoming students will interact with faculty, advanced graduate students, and professionals in the field to explore opportunities for internships and graduate projects, and will develop relevant professional skills to prepare them for their career track.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANT 705 Anthropological Theory and Practice**

*Prerequisite: admission to the Applied Anthropology MS Program or permission of instructor.*

Examines anthropological theories and how they are translated into practice in the context of scholarly and applied anthropology. Topics include the history of anthropological theory, the application of theory in all subfields, and contemporary trends.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**ANT 720 Quantitative Methods in Anthropology**

Recommended Prerequisite: introductory course in statistics. Uses of quantitative methods and databases in the field of anthropology, with particular emphasis on applied research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**ANT 751 Graduate Field Archaeology**

*Prerequisite: ANT 351 or equivalent.*

This course offers field experience in the techniques and methods used in archaeological survey and excavations. Graduate students will gain experience planning investigations and supervising crews of undergraduate students and will contribute to reporting the results of research. Variable credit course. May be repeated to a total of 6 hours. Supplemental course fee.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 770 Research Design and Writing in Anthropology**

*Prerequisite: ANT 700.*

How to plan and conduct a research project in applied anthropology and prepare grant proposals, contract reports, journal publications, and other professional documents in anthropology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**ANT 790 Internship in Applied Anthropology**

*Prerequisite: ANT 701 and permission of instructor.*

A minimum of 200 hours of work experience as an applied anthropologist with an approved business, organization, program, or agency. Requires a written report and a public presentation. Graded Pass/Not Pass only.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Upon demand
Projected offerings

**ANT 795 Directed Readings in Anthropology**

*Prerequisite: permission of instructor.*

Supervised readings in preparation for a practicum or thesis project.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 796 Directed Research in Anthropology**

*Prerequisite: permission of instructor.*

Supervised research necessary for completion of a master's degree.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 797 Practicum in Applied Anthropology**

*Prerequisite: ANT 770 and permission of instructor.*

The student will conduct an applied research project from start to finish, culminating in a professional report. Graded Pass/Not Pass only.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**ANT 799 Thesis**

*Prerequisite: ANT 770 and permission of instructor.*

Research and writing of a masters thesis under the direction of a faculty advisor. Graded Pass/Not Pass only.

**Credit hours:** 3-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Sociology (SOC) courses

**SOC 150 Introduction to Society**

*General Education Course (Focus on Social and Behavioral Sciences).*

The study of society including its structure and operation from the perspective of sociology. The course focuses on ways society is constructed by people and, in turn, on the ways society shapes people. This general education course supplies students with a community as well as global, multicultural understanding of society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SOC 152 Social Problems in the Community**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

Sociological perspectives on contemporary social issues and problems in American society that are faced by today's communities. A public sociology focus is addressed in this course. This general education course will allow students to recognize the importance of contributing their knowledge and experiences to help resolve social problems in their own community and the broader society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SOC 300 Service Learning Curricular Component**

*Prerequisite: 30 hours and concurrent registration in a Sociology course designated as service learning offering.*

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public service provider. The community service placement agency and service assignment will vary, dependent on the disciplinary course topic and learning objectives. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SOC 301 Research Methodology**

*Prerequisite: SOC 150.*

Methods of collecting and analyzing data including interviewing and observation techniques, scaling and sampling designs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SOC 302 Statistics for Social Research**

*Prerequisite: sophomore standing and completion of MTH 130 or higher.*

It is recommended that Sociology majors taking SOC 302 concurrently enroll in SOC 303. Introduction to statistics with special emphasis on those techniques most commonly used in social research. This course cannot be credited toward a degree if a student has taken any of the following: AGR 330, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SOC 303 Quantitative Methods Lab**

*Prerequisite: SOC 302 (or equivalent) or concurrent enrollment.*

It is recommended that all Sociology majors enrolled in SOC 302 concurrently enroll in SOC 303. An introduction to and application of quantitative social science data analysis.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**SOC 305 Population Analysis**

Comparative analysis of population size, distribution, and composition; population processes of fertility, mortality and migration; impact of population change on society; issues of population policy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SOC 309 Work, Industry, and Society**

The industrialization of society and its impact on formal and informal organization, management philosophies, worker attitudes and labor relations. Current trends affecting the work place are examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 310 Social Deviance**

An historical survey of the explanations of deviant behavior. Emphasis will focus on the structure of norms and rules, their diversity, and their role in identifying deviance.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 311 Sociology of Sexuality**

This course studies a wide range of sexual phenomena from a sociological perspective. Sociologists know that sex does not happen in a vacuum. To the contrary, sex is tied up with history, culture, politics, and power. Though we like to believe that our sexual behavior is a private experience untouched by society, sexual desire and sexual activity are in fact structured by social interactions. We can see this in the way that sexuality, sexual practice, and sexual identity are not static concepts, but rather are fluid and different throughout time and space.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years), Spring (even-numbered years)
Projected offerings

**SOC 315 The Family**

The family as a social institution; its adjustment to modern social conditions; personality adjustments in marriage.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 316 Urban Sociology**

The rise and development of urban settlements (cities), their ecology, problems, and an examination of urbanism as a way of life generated in cities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SOC 319 Environmental Sociology**

This course examines the causes and consequences of environmental problems, environmental movements, impacts of technological change, environmental policy and the state, environmental values, attitudes, and behaviors. Specific topics will vary, but may include resource scarcity, toxics, overconsumption, agricultural production, and more.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 320 Political Sociology**

Introduces students to a sociological analysis of political organization forms and their relations with other elements of social life. Students examine the concept of power and the intersection of personality, social structure, and politics. The course also emphasizes how social inequality between groups (e.g. race, class, and gender, etc.) influences politics and elaborates major social trends affecting the political process including how various social forces work to change political policies.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 325 Introduction to Sociological Theory**

*Prerequisite: SOC 150.*

A survey of the development of sociological theory with emphasis upon the social and historical influences shaping the thought of classical theorists.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SOC 326 Feminist Theories of Social Order**

*Prerequisite: SOC 150 or GST 170.*

This course offers an introductory survey of feminist theories within a sociological framework. Students will read and discuss significant classical and contemporary feminist writings on how social life is organized, maintained or changed. The feminist literature has led to the emergence of diverse theoretical frameworks analyzing historical and contemporary, macro and micro, public and private, local and global issues and concerns. The feminist paradigm, like many other paradigms, is inclusive of many disciplines. The sociological writings within this paradigm provide a wealth of materials on alternative views of social organization, order and conflict. Identical with GST 326. Cannot receive credit for both SOC 326 and GST 326.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SOC 332 Juvenile Delinquency**

This course examines the topic of juvenile delinquency from a sociological perspective. Emphasis is placed on measuring and explaining the occurrence of delinquency in the United States. The course also takes a critical look at societal responses to the delinquency problem, including the juvenile justice system.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 336 Race and Ethnicity**

This course explores the social construction of race and ethnicity. Issues of differential power between racial and ethnic groups and the economic, political, and social structures which are utilized to maintain these power differences are identified. Social movements and social policies designed to address social inequality, prejudice and discrimination are also examined.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 337 Sociology of Gender**

This course focuses on gender differences, patterns, and inequalities. It analyzes the social construction of gender, femininities and masculinities, gender socialization, and how gender intersects with race, class, and sexuality. Specific attention is paid to the significance of gender in interaction, culture, and social institutions, including work, politics, media, and the family.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 341 Medical Sociology**

An analysis of the ecological, sociopsychological and cultural aspects of health and illness, both physical and mental, and of the social organization of health care services and of health professions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SOC 357 Sociology of Sport**

Investigation and analysis of the relationship between sport and society; the development and changing nature of sport as an institution; role of sport in modern society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 360 The Individual in Society**

This course explores how self understanding emerges in a social context and is inseparable from that context. It examines the symbolic basis of communication, traces the interdependency of self and other awareness, and probes the social organization of human experience.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 375 Social Forces and Aging**

*Prerequisite: sophomore standing.*

This course examines the aging process, demographic trends, and the social, economic, and social-psychological aspects of aging in the United States. Students will be introduced to current theories on aging in social gerontology and their application to the everyday lives of older people. Topics of interest include social attitudes toward aging, family and social bonds, work and retirement, gender issues, ethnicity and aging, living environments, and approaches to aging well. Students will learn about the role of federal, state and local agencies in meeting the needs of the elderly. Identical with GER 310. Cannot receive credit for both SOC 375 and GER 310.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 380 Sociology of Law**

The interaction of law and society from a sociological perspective with emphasis upon legal institutions as instruments of social control. The impact of social values on the development of the legal order and the reciprocal influence of the law on social behavior.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**SOC 384 Social Movements**

The study of collective attempts to implement social change in society. Specific groups studied will vary, but may include the civil rights, feminist, political, religious, environmental and health movements.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SOC 390 Religion in Society**

Examines the relationship between religion and its social context. Students will explore the social nature of individual religious institutions. The relationship between religion and modernity will be studied. The course will pay special attention to the role of religion in American society, as well as the religious dimensions of class, gender, region, and race/ethnicity. Identical with REL 390. Cannot receive credit for both SOC 390 and REL 390. May be taught concurrently with SOC 790. Cannot receive credit for both SOC 390 and SOC 790.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 391 The Holocaust - A Sociological Introduction**

This course explores the social history of the Holocaust, its probable causes, magnitude, operation, consequences and the controversies which surround its study. Discussion ranges into the areas of sociology of religion and of law in order to understand compelling issues raised by this example of genocide.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 397 Special Topics**

Selected topics of contemporary interest in Sociology. May be repeated to a total of 6 hours when the topic changes. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SOC 398 Public Sociology and Community Studies**

*Prerequisite: SOC 150 and Sociology major or minor.*

Explores how Public Sociology is practiced and connected to the local community. Provides conceptual tools for analyzing communities and creates a foundation for meaningful community engagement. Each section will apply sociological theories and methods to a specific community issue or problem. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**SOC 420 Social Inequality**

*Prerequisite: SOC 150.*

An analysis of the structure, sources, and consequences of social inequality and the dimensions along which it may be observed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**SOC 425 Advanced Sociological Theory**

*Prerequisite: SOC 325.*

This course provides an in-depth analysis of a particular theorist, e.g. Karl Marx, Emile Durkheim, W.E.B. DuBois, Jane Addams; or theoretical orientation, e.g. symbolic interactionism, critical theory, dependency theory.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 456 Food in Society**

This course examines how procuring food impacts societal organization and is a catalyst for social change. The basic premise of this course is that understanding how a society feeds itself will reveal many sociological insights such as the distribution of wealth and power and the health of individuals and communities.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**SOC 470 Practicum in Applied Sociological Research**

*Prerequisite: SOC 301, SOC 302, SOC 325 and permission of instructor.*

Group experience in designing and carrying out an applied community research project. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**SOC 492 Program Assessment and Career Preparation**

*Prerequisite: senior standing and permission of instructor.*

All students majoring in Sociology are required to enroll in this course during their senior year. The focus is on program assessment rather than on individual student evaluation, and on career preparation for upcoming graduates. Students will complete several program-specific assessments of learning outcomes, and they will receive information to help them prepare for the job market or graduate school. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**SOC 497 Special Topics**

*Prerequisite: 9 hours sociology and permission of instructor.*

Selected topics in substantive areas in sociology such as theory, methodology, social organization, social psychology, demography, criminology and family. Offered when resources and demand allow. May be repeated to a total of 6 hours when topic changes. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SOC 499 Internship in Applied Sociology**

*Prerequisite: 18 hours in Sociology and permission of instructor.*

Supervised work experience in business, industry, governmental, institutional and/or agency settings where sociological skills are utilized. One credit hour for each 45 clock hours on the job. No more than 3 hours internship credit may be applied to the Sociology major.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SOC 596 Directed Readings in Sociology**

*Prerequisite: permission of instructor.*

Readings designed to supplement material introduced in previous Sociology courses. Includes a wide selection from literature in the field. May be repeated to a total of 9 hours, but no more than 6 hours may be applied to the sociology major. May be taught concurrently with SOC 697. Cannot receive credit for both SOC 697 and SOC 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SOC 599 Sociological Research**

*Prerequisite: SOC 150 and SOC 301 and SOC 302 and SOC 325 and permission of instructor.*

Independent and/or group work in research methodology, data manipulation and presentation in selected fields of sociology. May be repeated to total of 9 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**SOC 697 Directed Readings in Sociology**

*Prerequisite: permission of instructor.*

Readings designed to supplement material introduced in previous Sociology courses. Includes a wide selection from literature in the field. May be repeated to a total of 9 hours, but no more than 6 hours may be applied to the sociology major. May be taught concurrently with SOC 596. Cannot receive credit for both SOC 596 and SOC 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Anthropology

## Major(s)

### Anthropology (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (30 hours)

1. Required Core (15 hours): ANT 226(3), 227(3), 240(3), 280(3), 595(3)

2. Choose one course from four of the following five categories (12 hours):

   a. Archaeology: ANT 340(3), 345(3), 351(3-6), 355(3), 360(3), 397(3)*

   b. Biological Anthropology: ANT 365(3), 370(3), 375(3), 397(3)*

   c. Cultural Anthropology: ANT 301(3), 302(3), 320(3), 397(3)*

   d. Linguistic Anthropology: ANT 380(3), 381(3), 382(3); ENG 494(3), 592(3)

   e. Peoples and Cultures: ANT 325(3), 326(3), 330(3), 331(3), 332(3), 334(3), 335(3)
   **When applicable*

3. Public Affairs Capstone Experience will be fulfilled by completion of three additional hours from the following courses: ANT 500(3, 505(3), 510(3), 514(3), 515(3), 516(3), 525(3) or 545(3). Other upper division courses may be substituted when applicable.

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

### Anthropology (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (39 hours)

1. Required Core (18 hours): ANT 226(3), 227(3), 240(3), 280(3), 595(3); SOC 302 or equivalent (3)

2. Choose one course from four of the following five categories (12 hours):

   a. Archaeology: ANT 340(3), 345(3), 351(3-6), 355(3), 360(3), 397(3)*

   b. Biological Anthropology: ANT 365(3), 370(3), 375(3), 397(3)*

   c. Cultural Anthropology: ANT 301(3), 302(3), 320(3), 397(3)*

   d. Linguistic Anthropology: ANT 380(3), 381(3), 382(3); ENG 494(3), 592(3)

   e. Peoples and Cultures: ANT 325(3), 326(3), 330(3), 331(3), 332(3), 334(3), 335(3)
   **When applicable*

3. Public Affairs Capstone Experience will be fulfilled by completion of three additional hours from the following courses: ANT 500(3, 505(3), 510(3), 514(3), 515(3), 516(3), 525(3) or 545(3). Other upper division courses may be substituted when applicable.

4. Complete six additional hours of upper division electives in Anthropology.

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

## Anthropology

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

A. Complete three of the following courses: ANT 226(3), 227(3), 240(3), 280(3)

B. Complete nine additional hours of ANT electives, at least six of which are numbered 300 or

higher.

## Accelerated graduate program in Applied Anthropology

Eligible Missouri State undergraduate students may apply for admission to the Applied Anthropology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Linguistics

This minor is an interdisciplinary program jointly offered by the College of Arts and Letters and Department of Sociology and Anthropology.

## Minor(s)

### Linguistics

Bachelor of Arts

A. ENG 296(3) or ANT 280(3)

B. Complete 12 hours from the following courses: ANT 380(3)*, ANT 381(3), ANT 382(3), CSD 210(3), CSD 312(3), ENG 390(3), ENG 491(3), ENG 494(3), ENG 590(3), ENG 592(3), ENG 593(3)*, ENG 595(3), SPN 324(3). Other courses may be substituted with approval of committee. No more than 12 hours of the 15-hour minor may be taken from any one department.

   *Variable content course; up to 9 hours may be applied to the minor when the topic changes.

C. No more than 3 hours of the minor may also count for a major requirement.

### Linguistics

Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

A. ENG 296(3) or ANT 280(3)

B. Complete 12 hours from the following courses: ANT 380(3)*, ANT 381(3), ANT 382(3), CSD 210(3), CSD 312(3), ENG 390(3), ENG 491(3), ENG 494(3), ENG 590(3), ENG 592(3), ENG 593(3)*, ENG 595(3), SPN 324(3). Other courses may be substituted with approval of committee.

   *Variable content course; up to 9 hours may be applied to the minor when the topic changes.

C. At least 6 hours of a foreign language (including American Sign Language). A student may take 3 hours each of two different languages. No more than 12 hours of the 21-hour minor (except for foreign language) may be taken from any one department.

D. No more than 3 hours of the minor (except for foreign language) may also count for a major requirement.

# Sociology

## Major(s)

### Sociology (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements

1. SOC 150(3), 301(3), 302(3), 303(1), 325(3), 398(3), 492(1)
2. Complete one course designated as having a cultural competence component: SOC 336(3), 337(3), 375(3) or 420(3)
3. Complete one course designated as having a community engagement component: SOC 152(3), 300(1), 320(3) or 341(3)
4. Complete additional Sociology hours bringing total hours in major to 37.
5. Public Affairs Capstone Experience will be fulfilled by completion of SOC 398(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

### Sociology (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. SOC 150(3), 301(3), 302(3), 303(1), 325(3), 398(3), 492(1)

1. Complete one course designated as having a cultural competence component: SOC 336(3), 337(3), 375(3) or 420(3)

2. Complete one course designated as having a community engagement component: SOC 152(3), 300(1), 320(3) or 341(3)

3. Complete additional Sociology hours bringing total hours in major to 37.

4. Public Affairs Capstone Experience will be fulfilled by completion of SOC 398(3).

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

## Sociology

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

A. SOC 150(3), 325(3)

B. Complete 12 additional hours in Sociology.

# College of Natural and Applied Sciences

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Astronomy (Minor)

Biology (BA, BS, Minor)+

Biology Education (BSEd)+

Chemistry (BS, Minor)+

Chemistry Education (BSEd)+

Community and Regional Planning (BS, Minor)+

Computational Science (certificate)

Computer Science (BS, Minor)+

Conservation Law Enforcement (Certificate) Interdisciplinary program offered by Department of Biology and Department of Criminology and Criminal Justice

Earth Science Education (BSEd)+

Engineering cooperative program with Missouri University of Science and Technology (BS)

Environmental Education (Certificate)

Environmental Physics Technology (Minor)

Food and Beverage Operations (Certificate)

Geographic Information Sciences (Certificate)

Geography (BA, BS, Minor)+

Geology (BS, Minor)+

Geospatial Sciences (BS, Minor)+

Geotourism (Minor)

Global Studies (Minor)

Hospitality Leadership (BAS, BS)

Informatics (Minor)

Mathematics (BA, BS, Minor)+

Mathematics Education (BSEd)+

Physics (BS, Minor)+

Physics Education (BSEd)+

Planning and Development (Certificate)

Sustainability (Minor)

Wildlife Conservation and Management (Biology - BS)+

## Graduate

Biology (MS)

Chemistry (MS)

Computer Science (MS)

Environmental Monitoring and Sampling (Certificate)

Geospatial Information Sciences (Certificate)

Geospatial Sciences in Geography, Geology and Planning (MS)

Hospitality Administration (Certificate)

Materials Science (MS)

Mathematics (MS)

Natural and Applied Sciences with emphasis in Biology (MNAS)

Natural and Applied Sciences with emphasis in Chemistry (MNAS)

Natural and Applied Sciences with emphasis in Computer Science (MNAS)

Natural and Applied Sciences with emphasis in Geography, Geology, and Planning (MNAS)

Natural and Applied Sciences with emphasis in Mathematics (MNAS)

Natural and Applied Sciences with emphasis in Physics (MNAS)

Plant Science (MS)

Secondary Education with option in Biology (MSEd)

Secondary Education with option in Chemistry (MSEd)

Secondary Education with option in Earth Science (MSEd)

Secondary Education with option in Geography (MSEd)

Secondary Education with option in Mathematics (MSEd)

Secondary Education with option in Natural Science (MSEd)

Secondary Education with option in Physics (MSEd)

Courses are offered toward the option in Environmental Management within the Professional Studies program (MPS)

Courses are offered toward the option in Hospitality Administration within the Professional Studies program (MPS)

## Centers for Research and Service

## Contact

## Center for Resource Planning and Management

The Center provides educational training, applied research and community outreach services in the field of urban planning and community development. The Center is an affiliate data center of the Missouri State Census Data Center and an administrative agent of the Southwest Missouri Advisory Council of Governments.

## Ozarks Environmental and Water Resources Institute

The Institute supports efforts to protect and restore water quality and supply in the Ozarks Region of southern Missouri and northern Arkansas. It provides a hub for science-based monitoring and assessment of water and sediment quality trends, watershed function and disturbance, and land use/land cover change in the Ozarks.

## Bull Shoals Field Station

The Bull Shoals Field Station operates to promote research and provide educational programs that increase public understanding of southwest Missouri ecosystems.

# Graduate program

A Master of Natural and Applied Science degree is administered by the College of Natural and Applied Sciences. Courses are offered toward the option in Natural Science within the Master of Science in Education degree in Secondary Education. Additional graduate programs are offered through the academic departments in the College of Natural and Applied Sciences.

### Accelerated Master of Natural and Applied Science

Eligible Missouri State undergraduate students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a

**Dean**

Tamera S. Jahnke, PhD

**Associate deans**

Kyoungtae Kim, PhD

Xiaomin Qiu, PhD

**Office**

Temple Hall, Room 142

**Phone**

417-836-5249

**Fax**

417-836-6934

**Email**

cnas@missouristate.edu

**Website**

cnas.missouristate.edu

maximum of 12 credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Refer to the Graduate Catalog for more information.

For courses to be designated as Mixed Credit, the graduate advisor, undergraduate department head, and Graduate College dean must approve by signing the Permission for Mixed Credit form. This form must be provided to the Office of the Registrar in Carrington Hall 320 no later than the end of the Change of Schedule Period for the semester.

# Department of Biology

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Biology (BA, BS, Minor)+

Biology Education (BSEd)+

Conservation Law Enforcement (Certificate) Interdisciplinary program offered by Department of Biology and Department of Criminology and Criminal Justice

Environmental Education (Certificate) Interdisciplinary program offered by Department of Biology and Department of Geography, Geology and Planning

Wildlife Conservation and Management (BS)+

### Graduate

Biology (MS)+

Master of Natural and Applied Science degree with an area of emphasis in Biology (MNAS)+

Plant Science (MS)+

Secondary Education with an option in Biology (MSEd)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Biology Education (BSEd); Secondary Education/Biology (MSEd)
- Council for the Accreditation of Educator Preparation – Biology Education (BSEd); Secondary Education/Biology

## Contact

**Department head**

S. Alicia Mathis, PhD

**Office**

(MSEd)

## Mission statement

The faculty of the Department of Biology believes that a broad perspective is valuable for all areas of study within the field. Therefore, the department is comprehensive in its approach, including study at all levels of biology, from cells and microbes to ecosystems. The mission of the Biology department is the dissemination of biological knowledge (through classroom teaching and community service) and the generation of new biological knowledge (through research). This mission is embodied in six areas of scholarly activity, which include (1) service courses for non-majors, (2) the undergraduate program in biology, (3) the graduate program in biology, (4) faculty research and development, (5) service to the civic community, and (6) service to the research community. We seek a faculty composition that offers excellent teaching and research in all fundamental subject areas within biology, including teacher education. Our mission includes the following shared values:

- Ethical behavior in scholarly and research activities
- A broadly-based understanding of the natural world
- Hands-on learning through laboratory and field experiences
- Critical-thinking and problem solving through the scientific method
- A climate that is supportive of diversity
- Excellence in teaching and advising
- Generation of knowledge through research by both faculty and students
- Dissemination of knowledge through publication and presentations
- Student involvement in research and internships
- Student participation in university-based organizations

Temple Hall, Room 221

**Phone**

417-836-5126

**Fax**

417-836-4204

**Email**

Biology@missouristate.edu

**Website**

biology.missouristate.edu

related to biology

- Student and faculty involvement in professional societies
- Exposure of students to other cultures and ecosystems through study-away courses
- Outreach to the local community
- Collaborations and partnerships with private, nonprofit and government agencies

# Biology Faculty

## Distinguished professors

M. Christopher Barnhart, PhD

Paul L. Durham, PhD

## Professors

Janice S. Greene, PhD

John Heywood, PhD

Kyoungtae Kim, PhD

Laszlo G. Kovacs, PhD

S. Alicia Mathis, PhD

Thomas E. Tomasi, PhD

D. Alexander Wait, PhD

## Associate professors

Brian D. Greene, PhD

Day B. Ligon, PhD

Georgiana Saunders, PhD

## Assistant professors

Debra S. Finn, PhD

LaToya T. Kissoon-Charles, PhD

Christopher Lupfer, PhD

Sean P. Maher, PhD

Babur Mirza, PhD

Ryan S. Udan, PhD

## Senior instructor

L. Michelle Bowe, PhD

## Emeritus faculty

Daniel W. Beckman, PhD

Jerry D. Berlin, PhD

John E. Havel, PhD

Kathy K. Hughes, MD

Roar L. Irgens, PhD

Steven L. Jensen, PhD

Don L. Moll, PhD

Richard L. Myers, PhD

Barbara K. Newman, MSEd

Grant L. Pyrah, PhD

Paul L. Redfearn, Jr., PhD

Russell G. Rhodes, PhD

Lynn W. Robbins, PhD

John G. Steiert, PhD

Robert F. Wilkinson, Jr., PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Biology Courses

## Biology (BIO) courses

**BIO 100 Biological Science for Educators**

*Prerequisite: open only to Early Childhood, Elementary, Middle School, and Special Education majors.*

*General Education Course (Focus on Life Sciences).*

An introduction to the unifying principles of biology and the processes of scientific investigation using an inquiry approach. Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary, and middle school science lessons. Cannot count towards a major or minor in biology. Students receiving credit towards graduation for BIO 100 cannot also receive credit for BIO 101 or BIO 111. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BIO 101 Biology in Your World**

*General Education Course (Focus on Life Sciences).*

A non-laboratory course that can fulfill the General Education requirement in the Life Sciences. Organisms are studied from their behavioral, ecological, heredity and evolutionary perspectives. Topics include examination of the human body in health and disease; the relevance of biology to contemporary issues in human society; an introduction to environmental science and ecology with emphasis on the interrelationships of living and nonliving things in ecosystems and how disruptions of these relationships result in environmental problems. Cannot count towards a biology major or minor. Students receiving credit towards graduation for BIO 101 and/or BIO 111 cannot also receive credit for BIO 100.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**BIO 102 Principles of Biological Science**

*General Education Course (Natural World).*

Unifying principles of biology from the molecular level through ecosystems. Includes laboratory experience. Does not count for credit towards major or minor in biology. Students receive credit towards graduation for only one of BIO 100, 101, or 102. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BIO 111 Laboratory for Biology in Your World**

*Prerequisite: BIO 101 or concurrent enrollment.*

*General Education Course (Focus on Life Sciences).*

A laboratory course that partially fulfills the general education requirement in the Life Sciences. Organisms are studied from their physiological, behavioral, ecological, hereditary, and evolutionary perspectives. Students will develop skills of gathering information about science, reasoning scientifically from that information and synthesizing responses to questions based upon that information in order to explain biological phenomena. Cannot count towards a biology major or minor. Students receiving credit towards graduation for BIO 101 and/or BIO 111 cannot also receive credit for BIO 100. Supplemental course Fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**BIO 121 General Biology I**

*Prerequisite: eligibility for both ENG 110 and MTH 135.*

*General Education Course (Focus on Life Sciences).*

First half of 2-semester introductory biology sequence for biology majors and minors. Introduction to the concepts of biological structure and function at the molecular and cellular level, genetics, and evolution. Cannot be taken Pass/Not Pass. A grade of C or better is required in this course in order to take BIO 122. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BIO 122 General Biology II**

*Prerequisite: eligibility for both ENG 110 and MTH 135.*

Recommended Prerequisite: BIO 121. Second half of two-semester introductory biology sequence for biology majors and minors. Introduction to the biology of organisms including evolutionary history, diversity, structure, and function of major taxa; and ecology. Cannot be taken Pass/Not Pass. A grade of "C" or better is required in this course in order to take BIO 235, BIO 320, or BIO 369.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BIO 197 Selected Topics in Biology**

*Prerequisite: permission of instructor.*

Course devoted to a biologic topic of current interest. Provided the topics are different, the course may be repeated to a total of 4 hours. Credit for this course cannot be applied to the minimum requirements of a major or minor in biology, or the general education (Focus on Life Sciences) requirement. Supplemental course fee (variable by section).

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 205 Life Science for Middle School**

*Prerequisite: BIO 100 or BIO 101 and 111.*

Processes of science using the inquiry approach with reference to society, technology, and decision-making. Content covers cellular biology, plant and animal structure and function, ecology and environmental biology. Does not count for credit towards major or minor in biology.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**BIO 210 Elements of Microbiology**

*Prerequisite: CHM 116 and 117 or CHM 160; and 4 hours of BIO or BMS courses.*

Public health aspects of microbiology, particularly causes and control of infectious diseases, immunology, sterilization and disinfection, and food and water bacteriology. A student who takes BIO 210 and BIO 310 receives credit toward graduation only for BIO 310. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BIO 215 Introduction to the Diversity of Life**

*Prerequisite: 4 hours of biology.*

Introduction to the diversity in structure and function of protists, fungi, plants and animals. This course is designed for BSEd students and does not count toward a BA or BS in Biology.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Upon demand
Projected offerings

**BIO 235 Genetics**

*Prerequisite: BIO 121 or BMS 110 and 111; and CHM 116 and 117 or CHM 160 and 161 (recommended) or higher, and MTH 135 or higher.*

Concepts of classical, molecular and population genetics, genomics, biotechnology and epigenetics. Laboratory emphasis is on the chemical characteristics and in vitro manipulation of nucleic acids. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BIO 300 Service Learning in Biology**

*Prerequisite: 30 hours and permission, and concurrent registration in a Biology course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in biology to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; students should investigate possible placements, available through the Biology Department and the Citizenship and Service Learning Office, prior to registration. May be repeated. A total maximum of 3 hours from any combination of BIO 300, 399, and 499 credit may be counted towards the major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BIO 310 Microbiology**

*Prerequisite: "C-" or better in BIO 235 or BMS 230 or BMS 231; and "C-" or better in CHM 116 and 117 or CHM 160.*

Fundamental principles of microbiology; development of sound laboratory skills. A student who takes BIO 210 and BIO 310 receives credit toward graduation only for BIO 310. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**BIO 320 Introduction to Cellular Biology**

*Prerequisite: "C-" or better in BIO 235 or, BMS 230 and BMS 232, or BMS 231; and "C-" or better in CHM 201 and 202, or CHM 342.*

Introduction to the structure and function of cells with an emphasis on eukaryotes. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BIO 334 Plant Taxonomy**

*Prerequisite: BIO 122.*

Basic systematic principles, including the naming, classification, diversity, and evolution of angiosperms. Laboratory emphasis is on vegetative and reproductive morphology, use of taxonomic keys, and identification of common families and species of the local flora.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**BIO 339 Identification of Woody Plants**

*Prerequisite: BIO 122.*

A field course emphasizing the identification of woody plants (including some ornamentals) of the Interior Highlands of North America. Some consideration of forest communities and their distribution will also be included. Some Saturday field trips scheduled.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BIO 355 Developmental Biology**

*Prerequisite: BIO 235.*

Public Affairs Capstone Experience course. An in-depth study of the molecular and cellular mechanisms involved in the development of vertebrate, invertebrate, and plant systems. Lectures will emphasize fertilization, morphogenesis, differentiation, induction, regeneration, and neoplasia. Laboratory exercises will emphasize techniques utilized by developmental biologists. Review of current literature and poster presentations will be required. May be taught concurrently with BIO 655. Cannot receive credit for both BIO 355 and BIO 655.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 361 General Physiology**

*Prerequisite: "C-" or better in BIO 235.*

A study in animal biology that emphasizes the functional features of whole organisms including physiological regulations. A grade of "C" or better is required in this course in order to take BMS 363. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BIO 369 General Ecology**

*Prerequisite: BIO 122 and MTH 135 or higher.*

Introduction to the basic concepts of ecology. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BIO 370 Invertebrate Zoology**

*Prerequisite: BIO 121 and BIO 122.*

Biological principles exemplified by study of functional morphology, taxonomy and phylogeny of invertebrate phyla. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**BIO 371 Introduction to Entomology**

*Prerequisite: BIO 121 and BIO 122.*

Introduction to insect structure and function with emphasis on comparative morphology, physiology, life history, behavior, and ecology.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 373 Principles of Wildlife Management**

*Prerequisite: BIO 122.*

This course considers ecological principles, conservation, and management policies for wild animals and habitats. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 377 Marine Science II: Marine Biology**

*Prerequisite: 8 hours biology; and concurrent enrollment in BIO 378.*

A general introduction to marine biology with emphasis on local fauna and flora. Recommended for students considering a career in any phase of Oceanography. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 378 Marine Science II: Marine Biology Lab**

*Prerequisite: concurrent enrollment in BIO 377.*

Laboratory portion of BIO 377. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BIO 380 Comparative Vertebrate Anatomy**

*Prerequisite: BIO 121 and BIO 122.*

Vertebrate gross anatomy. Phylogeny and present status of organ systems of vertebrates. Shark, mud puppy and cat serve as principal sources for laboratory exercises. May be taught concurrently with BIO 680. Cannot receive credit for both BIO 380 and BIO 680. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 2
**Lab contact hours:** 6

**Typically offered:** Fall
Projected offerings

**BIO 398 Laboratory Internship in Biology**

*Prerequisite: BSEd major in Biology Education, BIO 310 and BIO 369, and permission of instructor.*

This course provides the opportunity to earn academic credit through supervised laboratory preparation and teaching. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**BIO 399 Cooperative Education in Biology**

*Prerequisite: acceptance into Cooperative Education Program and permission of department head.*

This course provides the opportunity to earn academic credit integrated with a supervised work experience. Under the guidance of a faculty advisor, students will complete a work-related independent study project. This is a variable content course that may be repeated to a total of 6 semester hours. A maximum of 3 hours from any combination of BIO 300, 399 and 499 may be counted towards the biology major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BIO 436 Plant Ecology**

Recommended Prerequisite: BIO 369. The dynamics, structure, and distribution of plant populations and communities, with emphasis on interactions among plants, plants and other organisms, and plants and ecosystems. Laboratory emphasis on experimental studies in the greenhouse and field. Weekend field trip is required. May be taught concurrently with BIO 636. Cannot receive credit for both BIO 436 and BIO 636.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BIO 485 Marine Conservation**

Recommended Prerequisite: BIO 101 and 111, or BIO 122. An overview of current issues related to the conservation and management of marine organisms, with emphasis on marine species and habitats exploited or endangered by human actions. May be taught concurrently with BIO 685. Cannot receive credit for both BIO 485 and 685. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Summer
Projected offerings

**BIO 494 Senior Seminar**

*Prerequisite: 90 hours and biology major.*

Current issues in the biological sciences will be discussed and information on post-graduate opportunities for biology majors will be presented. Successful completion of the Major Field Achievement Test will be required. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BIO 498 Honors Senior Project**

*Prerequisite: student must be a biology major and have junior standing and be a member of the Honors College and permission of instructor.*

The content of the project is determined by the honors student in consultation with a faculty member serving as project advisor and approved by the HC dean. The project can be started no earlier than the first semester of the junior year and must be completed before graduation. May be repeated to a total of 9 hours. A maximum of 3 hours may be counted toward the major in biology. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 499 Special Topics in Biology**

*Prerequisite: Biology major with a minimum of a 3.00 GPA; and 20 hours in Biology courses; and permission of instructor.*

Outstanding students obtain additional experience through independent study. May be repeated to a total of 3 credit hours. A maximum of 3 hours from any combination of BIO 300, 399 and 499 may be counted towards the major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**BIO 501 Natural History Museum Techniques**

Techniques in the development of natural history museum displays including making models, design of displays, writing educational text, and other techniques. Course will be taught off-site at the Bull Shoals Field Station and Chase Studio. May be taught concurrently with BIO 601. Cannot receive credit for both BIO 501 and BIO 601. Identical with MST 501. Cannot receive credit for both BIO 501 and MST 501. Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 505 Human Nature**

*Prerequisite: BIO 235 or BMS 230 or BMS 231; and PSY 121.*

A survey of current biological research on the behavioral, psychological, and cognitive dimensions of human biology. This course emphasizes the evolution and function of human social behaviors and value systems, but also addresses the genetics of human psychological diversity, the genetics of human-ape divergence, and the neurobiology of human cognition. May be taught concurrently with BIO 605. Cannot receive credit for both BIO 505 and BIO 605. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 508 Environmental Microbiology**

*Prerequisite: BIO 210 or BIO 310.*

The study of the ecology of microorganisms and the applied use of microorganisms by man in the environment. Laboratory will emphasize current methods used in the field of environmental microbiology. May be taught concurrently with BIO 608. Cannot receive credit for both BIO 608 and BIO 508. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 509 Stream Ecology**

*Prerequisite: BIO 369.*

Recommended Prerequisite: CHM 171 or higher. The interdisciplinary study of running waters, including study of the physical and chemical environment, trophic interactions, nutrient cycling, and the multiple impacts of humans on modifying these systems. Lectures, group discussion of readings, and laboratory and field exercises. One all-day Saturday field trip required. May be taught concurrently with BIO 609. Cannot receive credit for both BIO 609 and BIO 509. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**BIO 511 Immunology**

*Prerequisite: BIO 210 or BIO 310 or BIO 320 or BMS 521.*

A study of the immune system with emphasis on molecular and cellular mechanisms underlying host-microbe interactions, allergy, transplant rejection, cancer surveillance, and autoimmune disease. Laboratory emphasis on techniques used to address research and diagnostic problems. Supplemental course fee. May be taught concurrently with BIO 611. Cannot receive credit for both BIO 511 and BIO 611. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 512 Industrial Microbiology**

*Prerequisite: BIO 210 or BIO 310.*

An introduction to the fundamental concepts of industrial and applied microbiology. The industrial production of proteins, metabolites, polymers, biocides, and vaccines will be discussed in addition to biotransformations and environmental applications. Production improvement strategies that employ both physical and modern molecular techniques will be introduced. Laboratory will emphasize the selection of industrially important microorganisms, the theory and operation of a fermentor for the production of proteins, antibiotics, and steroids, use of analytical equipment for monitoring product formation, enzymes analysis, downstream processing, and bio-reactor construction and design. May be taught concurrently with BIO 613. Cannot receive credit for both BIO 613 and BIO 512. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 515 Evolution**

*Prerequisite: BIO 235 or BMS 230 or BMS 231; and MTH 135 or higher.*

A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. May be taught concurrently with BIO 616. Cannot receive credit for both BIO 616 and BIO 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BIO 517 Microbial Physiology and Metabolism**

*Prerequisite: BIO 210 or BIO 310 and either [CHM 201 and 202] or CHM 342.*

Physiology and anatomy of microorganisms including adaptive responses to environmental changes and microbial metabolic diversity will be discussed. Laboratory will emphasize selective isolation and identification of microorganisms, the growth dynamics of microorganisms, and responses by microorganisms to environmental changes. May be taught concurrently with BIO 617. Cannot receive credit for both BIO 617 and BIO 517.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BIO 518 Regulatory Mechanisms**

*Prerequisite: BIO 310 or BIO 320 or BMS 521 or CHM 452.*

The regulation of gene expression and protein/enzyme activity in prokaryotes, eukaryotes and viruses. A content-based lecture and discussion course utilizing both textbook and primary literature. May be taught concurrently with BIO 618. Cannot receive credit for both BIO 518 and BIO 618.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 520 Pathogenic Microbiology**

*Prerequisite: BIO 210 or BIO 310.*

Fundamental principles of pathogenic microbiology; transmission, infection and control of the pathogen. May be taught concurrently with BIO 620. Cannot receive credit for both BIO 620 and BIO 520. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BIO 521 Marine Science for Teachers I**

*Prerequisite: 12 hours in biology; and concurrent enrollment in BIO 522.*

A course designed to introduce students, particularly inservice teachers, to the study of marine science and to promote the teaching of marine biology at all grade levels. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 621. Cannot receive credit for both BIO 621 and BIO 521.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 522 Marine Science for Teachers I Lab**

*Prerequisite: concurrent enrollment in BIO 521.*

Laboratory portion of BIO 521. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 623. Cannot receive credit for both BIO 623 and BIO 522.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**BIO 527 Field Biology**

*Prerequisite: permission of instructor.*

Field work during an extended field trip to a specific region of North America to familiarize the student with the flora and/or fauna of that region. Course is scheduled irregularly during academic breaks and may be preceded by several lectures in preparation for the trip. May be repeated to a total of 6 credits with a maximum of 3 credits to be applied to the major in biology. Supplemental course fee (variable by section). May be taught concurrently with BIO 627. Cannot receive credit for both BIO 627 and BIO 527. Public Affairs Capstone Experience course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 530 Phycology**

*Prerequisite: BIO 369.*

The structure, function, ecological significance, and diversity of algae. Emphasis will be placed on field studies, isolation and growth, and physiological characteristics. May be taught concurrently with BIO 629. Cannot receive credit for both BIO 629 and BIO 530.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 532 Principles of Fisheries Management**

*Prerequisite: BIO 369 or BIO 373.*

Life history, population ecology, and management of exploited freshwater and marine species. Scientific sampling and analysis of fishery populations. Characterization, history, and management principles for representative commercial and recreational fisheries. May be taught concurrently with BIO 632. Cannot receive credit for both BIO 632 and BIO 532.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 533 Wetland Ecology**

*Prerequisite: BIO 369.*

Recommended Prerequisite: CHM 171 or higher. The composition, structure, function, and importance of wetland ecosystems. Comparisons of different wetland types, hydrology, nutrient cycles, plants and animals and their adaptations, and conservation strategies. May be taught concurrently with BIO 633. Cannot receive credit for both BIO 633 and BIO 533.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 534 Coastal Vegetation**

*Prerequisite: 10 hours of biology including BIO 121 and BIO 122; and concurrent enrollment in BIO 535.*

A broad study of the general and specific aspects of coastal vegetation, with emphasis on local examples. Vegetational composition, variation, succession, climax, and distribution. Includes aerial techniques, plant identification, delineation of vegetational types and mapping. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 641. Cannot receive credit for both BIO 641 and BIO 534.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 535 Coastal Vegetation Lab**

*Prerequisite: concurrent enrollment in BIO 534.*

Laboratory portion of BIO 534. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 635. Cannot receive credit for both BIO 635 and BIO 535.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**BIO 537 Salt Marsh Plant Ecology**

*Prerequisite: BIO 122 and BIO 334 and BIO 369 and BIO 544; and concurrent enrollment in BIO 538.*

A study with emphasis on the botanical aspects of local marshes; includes plant identification, composition, structure, distribution, and development of coastal marshes. Biological and physical interrelationships. Primary productivity and relation of marshes to estuaries and associated fauna. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 637. Cannot receive credit for both BIO 637 and BIO 537.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 538 Salt Marsh Plant Ecology Lab**

*Prerequisite: concurrent enrollment in BIO 537.*

Laboratory portion of BIO 537. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 638. Cannot receive credit for both BIO 638 and BIO 538.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BIO 539 Biogeography**

*Prerequisite: BIO 121 and BIO 122.*

Study of patterns of distribution of organisms in space and in time. May be taught concurrently with BIO 639. Cannot receive credit for both BIO 639 and BIO 539. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 540 Applications of Molecular Markers**

*Prerequisite: "B" or better in BIO 235.*

Introduction to the use of molecular markers in biological research. Topics covered include methods for identifying genetic variation at the molecular level and their applications to gene discovery, gene mapping, phylogenetics, forensics, conservation biology, and research in ecology and evolution. Students will complete research projects using one or more of the techniques learned. Supplemental course fee. May be taught concurrently with BIO 640. Cannot receive credit for both BIO 640 and BIO 540.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**BIO 544 Plant Physiology**

Recommended prerequisite: CHM 201 and 202 or CHM 342. Basic chemical and physical principles of plant function considering water relationships, nutrient transport, mineral nutrition, photosynthesis, respiration, and phytohormones. May be taught concurrently with BIO 644. Cannot receive credit for both BIO 644 and BIO 544.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 547 Water Resources**

*Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135.*

An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with GLG 547. Cannot receive credit for both BIO 547 and GLG 547. May be taught concurrently with BIO 647. Cannot receive credit for both BIO 547 and BIO 647. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BIO 550 Statistical Methods for Biologists**

*Prerequisite: BIO 235 or BMS 230 or BMS 231; and MTH 138 or higher.*

Scientific methodology, experimental design, statistical analysis, and data interpretation applied to biological questions. May be taught concurrently with BIO 650. Cannot receive credit for both BIO 650 and BIO 550.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BIO 551 Experimental Design for Biologists**

*Prerequisite: "B-" or better in BIO 550.*

The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 651. Cannot receive credit for both BIO 651 and BIO 551.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 555 Marine Ichthyology**

*Prerequisite: junior standing; 16 hours of biology including BIO 121 and BIO 122 and BIO 235 and BIO 380; and concurrent enrollment in BIO 556.*

This course provides the student with a strong general background in the biology of marine fishes. Emphasis placed on the principles involved in the classification and taxonomy of marine and estuarine fishes. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 654. Cannot receive credit for both BIO 654 and BIO 555.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 556 Marine Ichthyology Lab**

*Prerequisite: concurrent enrollment in BIO 555.*

Laboratory portion of BIO 555. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 656. Cannot receive credit for both BIO 656 and BIO 556.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Summer
Projected offerings

**BIO 557 Marine Fisheries Management**

*Prerequisite: permission of instructor; and concurrent enrollment in BIO 558.*

A course designed to familiarize students with practical marine fisheries management problems in today's real world. Covers the international and local, economic, social, legal, and political, as well as biological factors that are considered in decisions directed toward achieving optimum sustainable yield from marine resources. The history of management schemes, sources of information, current status of fishing technology, management methods, legal problems and educational needs are explored. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 657. Cannot receive credit for both BIO 657 and BIO 557.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 558 Marine Fisheries Management Lab**

*Prerequisite: concurrent enrollment in BIO 557.*

Laboratory portion of BIO 557. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 658. Cannot receive credit for both BIO 658 and BIO 558.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BIO 560 Population Genetics and Evolutionary Mechanisms**

*Prerequisite: BIO 235.*

The theory of genetic variation in populations, with emphasis on quantitative description of the mechanisms of biological evolution. May be taught concurrently with BIO 659. Cannot receive credit for both BIO 659 and BIO 560.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 561 Environmental Issues Education and Interpretation**

*Prerequisite: permission of instructor.*

Discussion of environmental issues, practical experiences in teaching environmental concepts, and awareness of environmental resource materials for the formal and nonformal educational setting. May be taught concurrently with BIO 661. Cannot receive credit for both BIO 561 and BIO 661 Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 562 Limnology**

*Prerequisite: BIO 369.*

Recommended Prerequisite: CHM 171 or higher. Physical, chemical, and biological characteristics of lakes and reservoirs. Laboratory includes mapping, lake models, water chemistry, and surveys of diversity and abundance. Two all-day Saturday labs required. May be taught concurrently with BIO 662. Cannot receive credit for both BIO 662 and BIO 562.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BIO 563 Population Ecology**

*Prerequisite: BIO 369; and MTH 138 or higher.*

Discussion of factors controlling the distribution and abundance of populations. Quantitative description of population dynamics is emphasized. May be taught concurrently with BIO 663. Cannot receive credit for both BIO 663 and BIO 563.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**BIO 564 Ozarks Natural Communities**

Recommended Prerequisite: BIO 369. Examination of forests, glades, and aquatic habitats with focus on environmental issues in the Ozarks. Integration into formal and non-formal educational settings will be covered. May be taught at the Bull Shoals Field Station. May be taught concurrently with BIO 664. Cannot receive credit for both BIO 564 and BIO 664.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 565 Marine Ecology**

*Prerequisite: 16 hours of biology including BIO 121 and BIO 122; and concurrent enrollment in BIO 566.*

A consideration of the relationship of marine organisms to their environment includes the effects of temperature, salinity, light, nutrient concentration, currents, and food on the abundance and distribution of marine organisms. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 665. Cannot receive credit for both BIO 665 and BIO 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 566 Marine Ecology Lab**

*Prerequisite: concurrent enrollment in BIO 565.*

Laboratory portion of BIO 565. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 666. Cannot receive credit for both BIO 666 and BIO 566.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BIO 567 Physiological Ecology**

*Prerequisite: BIO 369; and either BIO 361 or BIO 544 or BMS 308.*

Physiological adaptations of plants and animals to environmentally stressful conditions and to ecological/evolutionary pressures. May be taught concurrently with BIO 668. Cannot receive credit for both BIO 668 and BIO 567.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**BIO 571 Comparative Animal Physiology**

*Prerequisite: BIO 361 or BMS 308.*

Organ/system function in a wide range of invertebrate and vertebrate animals. May be taught concurrently with BIO 671. Cannot receive credit for both BIO 671 and BIO 571.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**BIO 573 Ornithology**

*Prerequisite: 12 hours of biology.*

Taxonomy, distribution, life histories and ecology of birds; emphasis on Missouri forms. Early morning field trips required. May be taught concurrently with BIO 673. Cannot receive credit for both BIO 673 and BIO 573. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 574 Aquatic Entomology**

*Prerequisite: BIO 370 or BIO 371 or AGR 383.*

Aquatic insects, ecology and taxonomy with emphasis on field applications. May be taught concurrently with BIO 674. Cannot receive credit for both BIO 674 and BIO 574. Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Spring (even-numbered years)
Projected offerings

**BIO 575 Ichthyology**

*Prerequisite: 12 hours in biology.*

Taxonomy, distribution, life histories and ecology of fish with emphasis on Missouri forms. May be taught concurrently with BIO 675. Cannot receive credit for both BIO 675 and BIO 575. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 576 Herpetology**

*Prerequisite: 12 hours in biology.*

Taxonomy, distribution, life histories and ecology of amphibians and reptiles with emphasis on Missouri forms. One weekend field trip required. Supplemental course fee. May be taught concurrently with BIO 676. Cannot receive credit for both BIO 676 and BIO 576. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 577 Mammalogy**

*Prerequisite: 12 hours in biology.*

Taxonomy, distribution, life histories and ecology of mammals with emphasis on Missouri forms. One weekend field trip required. Supplemental course fee. May be taught concurrently with BIO 677. Cannot receive credit for both BIO 677 and BIO 577. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 578 Behavioral Ecology**

Recommended Prerequisite: BIO 369 and BIO 550. Fundamental principles of animal behavior with an emphasis on the study of the ecological and evolutionary processes that influence behavior. May be taught concurrently with BIO 678. Cannot receive credit for both BIO 678 and BIO 578. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 579 Conservation Biology**

*Prerequisite: BIO 235 and BIO 369.*

An in-depth examination of the science of conservation from a biological perspective, with an examination of ethical and legal aspects of conservation. May be taught concurrently with BIO 679. Cannot receive credit for both BIO 679 and BIO 579. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 584 Fish Ecology**

*Prerequisite: BIO 369 and BIO 575.*

The biology of fishes in relation to environmental conditions at the individual, population, and community levels. May be taught concurrently with BIO 686. Cannot receive credit for both BIO 686 and BIO 584. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BIO 587 Marine Invertebrate Zoology**

*Prerequisite: 16 hours in biology; and concurrent enrollment in BIO 588.*

A concentrated study of the free-living marine and estuarine invertebrates of Mississippi Sound and adjacent bayous, salt marshes, barrier islands, and the nearshore continental shelf of the northeastern Gulf of Mexico. Course emphasizes structure, classification, phylogenetic relationships, larval development, functional processes, and ecological aspects of Gulf of Mexico invertebrates and their natural assemblages. Advanced undergraduates and graduate students may be asked to conduct independent, short-term research projects during the course. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 687. Cannot receive credit for both BIO 687 and BIO 587.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 588 Marine Invertebrate Zoology Lab**

*Prerequisite: concurrent enrollment in BIO 587.*

Laboratory portion of BIO 587. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 688. Cannot receive credit for both BIO 688 and BIO 588.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Summer
Projected offerings

**BIO 589 Game Management**

*Prerequisite: BIO 373.*

Management of game birds and mammals for recreational utilization. May be taught concurrently with BIO 689. Cannot receive credit for both BIO 689 and BIO 589. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 597 Topics in Biology**

*Prerequisite: permission of instructor.*

A variable content course to provide for the offering of selected topics in biology on a one time or first-time basis. May be repeated for credit when topic varies. May be taught concurrently with BIO 697. Cannot receive credit for both BIO 697 and BIO 597.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 601 Natural History Museum Techniques**

Techniques in the development of natural history museum displays including making models, design of displays, writing educational text, and other techniques. Course will be taught off-site at the Bull Shoals Field Station and Chase Studio. May be taught concurrently with BIO 501. Cannot receive credit for both BIO 601 and BIO 501.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 605 Human Nature**

Recommended Prerequisite: general biology with evolution; genetics; college algebra; and introductory psychology. A survey of current biological research on the behavioral, psychological, and cognitive dimensions of human biology. This course emphasizes the evolution and function of human social behaviors and value systems, but also addresses the genetics of human psychological diversity, the genetics of human-ape divergence, and the neurobiology of human cognition. May be taught concurrently with BIO 505. Cannot receive credit for both BIO 605 and BIO 505.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 608 Environmental Microbiology**

Recommended Prerequisite: microbiology. The study of the ecology of microorganisms and the applied use of microorganisms by man in the environment. Laboratory will emphasize current methods used in the field of environmental microbiology. May be taught concurrently with BIO 508. Cannot receive credit for both BIO 508 and BIO 608.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 609 Stream Ecology**

Recommended Prerequisite: ecology course and one year of college chemistry. The interdisciplinary study of running waters, including study of the physical and chemical environment, trophic interactions, nutrient cycling, and the multiple impacts of humans on modifying these systems. Lectures, group discussion of readings, and laboratory and field exercises. One all-day Saturday field trip required. May be taught concurrently with BIO 509. Cannot receive credit for both BIO 509 and BIO 609.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**BIO 611 Immunology**

Recommended Prerequisite: microbiology or molecular/cellular biology. A study of the immune system with emphasis on molecular and cellular mechanisms underlying host-microbe interactions, allergy, transplant rejection, cancer surveillance, and autoimmune disease. Laboratory emphasis on techniques used to address research and diagnostic problems. Supplemental course fee. May be taught concurrently with BIO 511. Cannot receive credit for both BIO 511 and BIO 611.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 613 Industrial Microbiology**

Recommended Prerequisite: microbiology course. An introduction to the fundamental concepts of industrial and applied microbiology. The industrial production of proteins, metabolites, polymers, biocides, and vaccines will be discussed in addition to biotransformations and environmental applications. Production improvement strategies that employ both physical and modern molecular techniques will be introduced. Laboratory will emphasize the selection of industrially important microorganisms, the theory and operation of a fermentor for the production of proteins, antibiotics, and steroids, use of analytical equipment for monitoring product formation, enzymes analysis, downstream processing, and bio-reactor construction and design. May be taught concurrently with BIO 512. Cannot receive credit for both BIO 512 and BIO 613.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 616 Evolution**

Recommended Prerequisite: genetics course; and college algebra or pre-calculus mathematics course. A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. May be taught concurrently with BIO 515. Cannot receive credit for both BIO 515 and BIO 616.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BIO 617 Microbial Physiology and Metabolism**

Recommended Prerequisite: microbiology course and organic chemistry course. Physiology and anatomy of microorganisms including adaptive responses to environmental changes and microbial metabolic diversity will be discussed. Laboratory will emphasize selective isolation and identification of microorganisms, the growth dynamics of microorganisms, and responses by microorganisms to environmental changes. May be taught concurrently with BIO 517. Cannot receive credit for both BIO 517 and BIO 617.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BIO 618 Regulatory Mechanisms**

Recommended Prerequisite: genetics, molecular/cellular biology, microbiology, or biochemistry. The regulation of gene expression and protein/enzyme activity in prokaryotes, eukaryotes and viruses. A content-based lecture and discussion course utilizing both textbook and primary literature. May be taught concurrently with BIO 518. Cannot receive credit for both BIO 618 and BIO 518.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 620 Pathogenic Microbiology**

Recommended Prerequisite: microbiology course. Fundamental principles of pathogenic microbiology; transmission, infection and control of the pathogen. May be taught concurrently with BIO 520. Cannot receive credit for both BIO 520 and BIO 620.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BIO 621 Marine Science for Teachers I**

*Prerequisite: 12 hours in biology.*

Recommended Prerequisite: genetics course. A course designed to introduce students, particularly inservice teachers, to the study of marine science and to promote the teaching of marine biology at all grade levels. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 521. Cannot receive credit for both BIO 521 and BIO 621.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 623 Marine Science for Teachers I Lab**

*Prerequisite: concurrent enrollment in BIO 621.*

Laboratory portion of BIO 621. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 522. Cannot receive credit for both BIO 522 and BIO 623.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**BIO 627 Field Biology**

*Prerequisite: permission of instructor.*

Field work during an extended field trip to a specific region of North America to familiarize the student with the flora and/or fauna of that region. Course is scheduled irregularly during academic breaks and may be preceded by several lectures in preparation for the trip. May be repeated to a total of 6 credits with a maximum of 3 credits to be applied to the major in biology. Supplemental course fee (variable by section). May be taught concurrently with BIO 527. Cannot receive credit for both BIO 527 and BIO 627.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 629 Phycology**

Recommended Prerequisite: ecology course. The structure, function, ecological significance, and diversity of algae. Emphasis will be placed on field studies, isolation and growth, and physiological characteristics. May be taught concurrently with BIO 530. Cannot receive credit for both BIO 530 and BIO 629.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 632 Principles of Fisheries Management**

Recommended Prerequisite: ecology or wildlife management course. Life history, population ecology, and management of exploited freshwater and marine species. Scientific sampling and analysis of fishery populations. Characterization, history, and management principles for representative commercial and recreational fisheries. May be taught concurrently with BIO 532. Cannot receive credit for both BIO 532 and BIO 632.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 633 Wetland Ecology**

Recommended Prerequisite: ecology course; and one year of college chemistry. The composition, structure, function, and importance of wetland ecosystems. Comparisons of different wetland types, hydrology, nutrient cycles, plants and animals and their adaptations, and conservation strategies. May be taught concurrently with BIO 533. Cannot receive credit for both BIO 533 and BIO 633.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 635 Coastal Vegetation Lab**

*Prerequisite: concurrent enrollment in BIO 641.*

Laboratory portion of BIO 641. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 535. Cannot receive credit for both BIO 535 and BIO 635.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**BIO 636 Plant Ecology**

Recommended Prerequisite: ecology course. The dynamics, structure, and distribution of plant populations and communities, with emphasis on interactions among plants, plants and other organisms, and plants and ecosystems. Laboratory emphasis on experimental studies in the greenhouse and field. Weekend field trip is required. BIO 436 may be taught concurrently with BIO 636. Cannot receive credit for both BIO 436 and BIO 636.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BIO 637 Salt Marsh Plant Ecology**

*Prerequisite: permission of advisor or department head.*

Recommended Prerequisite: general biology II, plant taxonomy, ecology and plant physiology course. A study with emphasis on the botanical aspects of local marshes; includes plant identification, composition, structure, distribution, and development of coastal marshes. Biological and physical interrelationships. Primary productivity and relation of marshes to estuaries and associated fauna. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 537. Cannot receive credit for both BIO 537 and BIO 637.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 638 Salt Marsh Plant Ecology Lab**

*Prerequisite: concurrent enrollment in BIO 637.*

Laboratory portion of BIO 637. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 538. Cannot receive credit for both BIO 538 and BIO 638.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BIO 639 Biogeography**

Recommended Prerequisite: general biology I and II courses. Study of patterns of distribution of organisms in space and in time. May be taught concurrently with BIO 539. Cannot receive credit for both BIO 539 and BIO 639.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 640 Applications of Molecular Markers**

Recommended Prerequisite: genetics course. Introduction to the use of molecular markers in biological research. Topics covered include methods for identifying genetic variation at the molecular level and their applications to gene discovery, gene mapping, phylogenetics, forensics, conservation biology, and research in ecology and evolution. Students will complete research projects using one or more of the techniques learned. Supplemental course fee. May be taught concurrently with BIO 540. Cannot receive credit for both BIO 640 and BIO 540.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**BIO 641 Coastal Vegetation**

*Prerequisite: 10 hours of biology and permission of advisor or department head.*

Recommended Prerequisite: general biology I and II courses. A broad study of the general and specific aspects of coastal vegetation, with emphasis on local examples. Vegetational composition, variation, succession, climax, and distribution. Includes aerial techniques, plant identification, delineation of vegetational types and mapping. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 534. Cannot receive credit for both BIO 534 and BIO 641.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 644 Plant Physiology**

Recommended Prerequisite: organic chemistry course. Basic chemical and physical principles of plant function considering water relationships, nutrient transport, mineral nutrition, photosynthesis, respiration, and phytohormones. May be taught concurrently with BIO 544. Cannot receive credit for both BIO 544 and BIO 644.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 647 Water Resources**

Recommended Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135. An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with GLG 647. Cannot receive credit for both BIO 647 and GLG 647. May be taught concurrently with BIO 547. Cannot receive credit for both BIO 647 and BIO 547.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BIO 650 Statistical Methods for Biologists**

Recommended Prerequisite: genetics course and pre-calculus mathematics course. Scientific methodology, experimental design, statistical analysis, and data interpretation applied to biological questions. May be taught concurrently with BIO 550. Cannot receive credit for both BIO 550 and BIO 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**BIO 651 Experimental Design for Biologists**

Recommended Prerequisite: statistics course. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 551. Cannot receive credit for both BIO 551 and BIO 651.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 654 Marine Ichthyology**

*Prerequisite: 16 hours of biology and permission of advisor or department head.*

Recommended Prerequisite: General Biology I and II, Genetics and Comparative Vertebrate Anatomy. This course provides the student with a strong general background in the biology of marine fishes. Emphasis placed on the principles involved in the classification and taxonomy of marine and estuarine fishes. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 555. Cannot receive credit for both BIO 555 and BIO 654.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 655 Developmental Biology**

Recommended Prerequisite: cell biology course. An in-depth study of the molecular and cellular mechanisms involved in the development of vertebrate, invertebrate, and plant systems. Lectures will emphasize fertilization, morphogenesis, differentiation, induction, regeneration, and neoplasia. Laboratory exercises will emphasize techniques utilized by developmental biologists. Review of current literature and poster presentations will be required. May be taught concurrently with BIO 355. Cannot receive credit for both BIO 355 and BIO 655.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 656 Marine Ichthyology Lab**

*Prerequisite: concurrent enrollment in BIO 654.*

Laboratory portion of BIO 654. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 556. Cannot receive credit for both BIO 556 and BIO 656.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Summer
Projected offerings

**BIO 657 Marine Fisheries Management**

*Prerequisite: permission of instructor; and concurrent enrollment in BIO 658.*

A course designed to familiarize students with practical marine fisheries management problems in today's real world. Covers the international and local, economic, social, legal, and political, as well as biological factors that are considered in decisions directed toward achieving optimum sustainable yield from marine resources. The history of management schemes, sources of information, current status of fishing technology, management methods, legal problems and educational needs are explored. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 557. Cannot receive credit for both BIO 557 and BIO 657.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 658 Marine Fisheries Management Lab**

*Prerequisite: concurrent enrollment in BIO 657.*

Laboratory portion of BIO 657. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 558. Cannot receive credit for both BIO 558 and BIO 658.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BIO 659 Population Genetics and Evolutionary Mechanisms**

Recommended Prerequisite: evolution course and statistics course. The theory of genetic variation in populations, with emphasis on quantitative description of the mechanisms of biological evolution. May be taught concurrently with BIO 560. Cannot receive credit for both BIO 560 and BIO 659.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 661 Environmental Issues Education and Interpretation**

*Prerequisite: permission of instructor.*

Discussion of environmental issues, practical experiences in teaching environmental concepts, and awareness of environmental resource materials for the formal and nonformal educational setting. May be taught concurrently with BIO 561. Cannot receive credit for both BIO 661 and BIO 561

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 662 Limnology**

Recommended Prerequisite: ecology course; and one year of college chemistry. Physical, chemical, and biological characteristics of lakes and reservoirs. Laboratory includes mapping, lake models, water chemistry, and surveys of diversity and abundance. Two all-day Saturday labs required. May be taught concurrently with BIO 562. Cannot receive credit for both BIO 562 and BIO 662.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**BIO 663 Population Ecology**

Recommended Prerequisite: ecology course and pre-calculus mathematics course. Discussion of factors controlling the distribution and abundance of populations. Quantitative description of population dynamics is emphasized. May be taught concurrently with BIO 563. Cannot receive credit for both BIO 563 and BIO 663.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**BIO 664 Ozarks Natural Communities**

Recommended Prerequisite: BIO 369. Examination of forests, glades, and aquatic habitats with focus on environmental issues in the Ozarks. Integration into formal and non-formal educational settings will be covered. May be taught at the Bull Shoals Field Station. May be taught concurrently with BIO 564. Cannot receive credit for both BIO 664 and BIO 564.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 665 Marine Ecology**

*Prerequisite: 16 hours of biology and permission of advisor or department head.*

Recommended Prerequisite: General Biology I and II. A consideration of the relationship of marine organisms to their environment includes the effects of temperature, salinity, light, nutrient concentration, currents, and food on the abundance and distribution of marine organisms. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. Concurrent enrollment in BIO 566 required. May be taught concurrently with BIO 565. Cannot receive credit for both BIO 565 and BIO 665.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 666 Marine Ecology Lab**

*Prerequisite: concurrent enrollment in BIO 665.*

Laboratory portion of BIO 665. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 566. Cannot receive credit for both BIO 566 and BIO 666.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**BIO 668 Physiological Ecology**

Recommended Prerequisite: ecology course; and general physiology or plant physiology or human physiology course. Physiological adaptations of plants and animals to environmentally stressful conditions and to ecological/evolutionary pressures. May be taught concurrently with BIO 567. Cannot receive credit for both BIO 567 and BIO 668.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**BIO 671 Comparative Animal Physiology**

Recommended Prerequisite: general physiology or human physiology course. Organ/system function in a wide range of invertebrate and vertebrate animals. May be taught concurrently with BIO 571. Cannot receive credit for both BIO 571 and BIO 671.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**BIO 673 Ornithology**

*Prerequisite: 12 hours of biology.*

Taxonomy, distribution, life histories and ecology of birds; emphasis on Missouri forms. Early morning field trips required. May be taught concurrently with BIO 573. Cannot receive credit for both BIO 573 and BIO 673.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 674 Aquatic Entomology**

Aquatic insects, ecology and taxonomy with emphasis on field applications. May be taught concurrently with BIO 574. Cannot receive credit for both BIO 574 and BIO 674.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 3

**Typically offered:** Spring (even-numbered years)
Projected offerings

**BIO 675 Ichthyology**

*Prerequisite: 12 hours in biology.*

Taxonomy, distribution, life histories and ecology of fish with emphasis on Missouri forms. May be taught concurrently with BIO 575. Cannot receive credit for both BIO 575 and BIO 675.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 676 Herpetology**

*Prerequisite: 12 hours in biology.*

Taxonomy, distribution, life histories and ecology of amphibians and reptiles with emphasis on Missouri forms. One weekend field trip required. Supplemental course fee. May be taught concurrently with BIO 576. Cannot receive credit for both BIO 576 and BIO 676.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 677 Mammalogy**

*Prerequisite: 12 hours in biology.*

Taxonomy, distribution, life histories and ecology of mammals with emphasis on Missouri forms. One weekend field trip required. Supplemental course fee. May be taught concurrently with BIO 577. Cannot receive credit for both BIO 577 and BIO 677.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**BIO 678 Behavioral Ecology**

Recommended Prerequisite: ecology course and statistics course. Fundamental principles of animal behavior with an emphasis on the study of the ecological and evolutionary processes that influence behavior. May be taught concurrently with BIO 578. Cannot receive credit for both BIO 578 and BIO 678.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**BIO 679 Conservation Biology**

Recommended Prerequisite: genetics course and ecology course. An in-depth examination of the science of conservation from a biological perspective, with an examination of ethical and legal aspects of conservation. May be taught concurrently with BIO 579. Cannot receive credit for both BIO 579 and BIO 679.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 680 Vertebrate Anatomy and Evolution**

Vertebrate gross anatomy. Phylogeny and present status of organ systems in vertebrates. May be taught concurrently with BIO 380. Cannot receive credit for both BIO 380 and BIO 680.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 685 Marine Conservation**

An overview of current issues related to the conservation and management of marine organisms, with emphasis on marine species and habitats exploited or endangered by human actions. BIO 485 may be taught concurrently with BIO 685. Cannot receive credit for both BIO 685 and 485.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Summer
Projected offerings

**BIO 686 Fish Ecology**

Recommended Prerequisite: ecology course and ichthyology course. The biology of fishes in relation to environmental conditions at the individual, population, and community levels. May be taught concurrently with BIO 584. Cannot receive credit for both BIO 584 and BIO 686.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 687 Marine Invertebrate Zoology**

*Prerequisite: 16 hours in biology; and concurrent enrollment in BIO 688.*

A concentrated study of the free-living marine and estuarine invertebrates of Mississippi Sound and adjacent bayous, salt marshes, barrier islands, and the nearshore continental shelf of the northeastern Gulf of Mexico. Course emphasizes structure, classification, phylogenetic relationships, larval development, functional processes, and ecological aspects of Gulf of Mexico invertebrates and their natural assemblages. Advanced undergraduates and graduate students may be asked to conduct independent, short-term research projects during the course. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 587. Cannot receive credit for both BIO 587 and BIO 687.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**BIO 688 Marine Invertebrate Zoology Lab**

*Prerequisite: concurrent enrollment in BIO 687.*

Laboratory portion of BIO 687. May be taught concurrently with BIO 588. Cannot receive credit for both BIO 588 and BIO 688.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Summer
Projected offerings

**BIO 689 Game Management**

Recommended Prerequisite: wildlife management course. Management of game birds and mammals for recreational utilization. May be taught concurrently with BIO 589. Cannot receive credit for both BIO 589 and BIO 689.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 697 Topics in Biology**

*Prerequisite: permission of instructor.*

A variable content course to provide for the offering of selected topics in biology on a one time or first-time basis. May be repeated for credit when topic varies. May be taught concurrently with BIO 597. Cannot receive credit for both BIO 597 and BIO 697.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 710 Topics in Microbial Physiology**

Topics of interest in microbial physiology will be discussed. These may include, cell structure, energy production, fermentation, nitrogen metabolism, protein and nucleic acid syntheses, regulation of gene expression, and dynamics of cell growth. Lecture will supplement discussion sessions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 712 Advanced Immunology**

Recommended Prerequisite: immunology course. Cellular aspects of the immune system.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**BIO 725 Advanced Limnology**

Recommended Prerequisite: limnology course. Advanced concepts of biological, chemical and physical limnology. Recent symposia, reviews, and primary literature are discussed. Prerequisite: BIO 562. Advanced concepts of biological, chemical and physical limnology. Recent symposia, reviews, and primary literature are discussed.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 726 Advanced Limnology Methods**

Recommended Prerequisite: limnology course. Research and practical application of modern limnological methods are taught.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**BIO 728 Recent Advances in Biology**

*Prerequisite: permission of instructor.*

Selected topics in biology to be discussed using original literature as the focal point. Variable content course. May be repeated when topic varies.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**BIO 730 Advanced Topics in Biology**

*Prerequisite: permission of instructor.*

Individual study in biology; may include literature, field and/or laboratory work. May be repeated.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**BIO 734 Advanced Plant Taxonomy**

*Prerequisite: permission of instructor.*

Philosophy and principles of modern taxonomic procedures.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**BIO 755 Advanced Developmental Biology**

Recommended Prerequisite: developmental biology course. This course delves deeper into topics introduced in BIO 355 and 655, and will explore other subjects not previously covered. Topics discussed may include, but are not limited to, fertilization (how do sperm and eggs mature, and how does fertilization occur?), organ size determination (what controls the size and correct proportions of organs during development), organ/embryo patterning (how does an embryo know which side will become the left and which will become the right?), organogenesis (how is a branching pattern created in developing blood vessels?), ecological developmental biology (how does climate change affect development of an organism?), and evolutionary developmental biology (how do cavefish develop without eyes, despite their eye bearing ancestors?).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 760 Topics in Teaching Biology**

*Prerequisite: permission of instructor.*

Biological concepts, information, practical experiences, and use of resource materials in the elementary and secondary classroom. Variable content course. May be repeated when topic varies.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 767 Advanced Vertebrate Zoology**

Evolutionary relationships of living and extinct vertebrates; analysis of geographic distribution and adaptive radiation. Includes field/lab experiences to be arranged.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**BIO 790 Degree Paper**

*Prerequisite: permission of advisor.*

Extensive paper on selected topics. Exclusively satisfies requirements for non-thesis option, which also requires one BIO 790 paper to be presented orally to the department. May be repeated to total of 4 hours. Graded Pass/Not Pass only.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**BIO 794 Scientific Writing**

Organization and methods in scientific writing. Included are discussion of literature searching, scientific methodology, experimental design, proposal writing, figure preparation, editing and oral presentation. Recommended for graduate students in biology, preferably during the first year of graduate study.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**BIO 796 Science Internship**

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**BIO 798 Research**

*Prerequisite: permission of advisor.*

Supervised research in special biology areas. May be repeated, but no more than 6 hours may be counted as credit towards the MS degree. Graded Pass/Not Pass only.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**BIO 799 Thesis**

*Prerequisite: permission of advisor.*

Independent study connected with preparation of thesis. May be repeated, but no more than 6 hours may be counted as credit towards the MS degree. Graded Pass/Not Pass only.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Biology

## Major(s)

### Biology (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements

1. BIO 121(4), 122(4), 235(4), 310(5) or 320(4), 369(4), 494(1), 550(3)

2. Select elective courses in biology to total a minimum of 32 hours and include at least 12 hours of 300 level or higher courses. Electives may be selected from one of the following emphases. Advisors can assist students to select electives to emphasize areas that best meet their interest and career goals. Popular areas of emphasis include pre-health studies (pre-medical, pre-veterinary, pre-physical therapy, etc.), microbiology, cell/molecular biology, environmental/conservation biology, and zoology, but other areas of emphasis are also possible.

3. Related Requirements: CHM 201(3) and 202(2), or CHM 342(5) and 343(5) or 344(3); PHY 123(4) and 124(4) or PHY 203(5) and 204(5); MTH 261(5) or 287(3)

4. Public Affairs Capstone Experience will be fulfilled by completion of BIO 369(4) and 494(1) and one additional course from the following: BIO 300(1), 355(4), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(4), 584(3), 589(3). Course may also be used to satisfy the elective courses in biology.

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

### Biology (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. BIO 121(4), 122(4), 235(4), 310(5) or 320(4), 369(4), 494(1), 550(3)

2. Select elective courses in biology to total a minimum of 36 hours and include at least 12 hours of 300-level or higher courses. Advisors can assist students to select electives to emphasize areas that best meet their interest and career goals. Popular areas of emphasis include pre-health studies (pre-medical, pre-veterinary, pre-physical therapy, etc.), microbiology, cell/molecular biology, environmental/conservation biology, and zoology, but other areas of emphasis are also possible.

3. Public Affairs Capstone Experience will be fulfilled by completion of BIO 369(4) and 494(1) and one additional course from the following: BIO 300(1), 355(4), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(4), 584(3), 589(3). Course may also be used to satisfy the elective courses in biology.

4. Related Requirements: CHM 201(3) and 202(2), or CHM 342(5) and 343(5) or 344(3); PHY 123(4) and 124(4) or PHY 203(5) and 204(5); MTH 261(5) or 287(3)

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Biology (Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. BIO 121(4), 122(4), 235(4), 494(1), 550(3)

2. PHY 123(4) and 124(4) or PHY 203(5) and 204(5)

3. MTH 138(5) or 181(3), or eligibility for MTH 261 on mathematics placement test

4. BIO 310(5) or 320(4) or 361(4) or 544(4); consult options below before selecting course

5. CHM 116(4) and 117(1), or CHM 160(4) and 161(1); consult options below before selecting course

6. CHM 201(3) and 202(2), or CHM 302(5) or 342(5); consult options below before selecting course

7. Public Affairs Capstone Experience will be fulfilled by completion of BIO 494(1) and two additional courses from the following: BIO 300(1), 355(4), 369(4), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(4), 584(3), 589(3). Courses may also be used to satisfy option requirements.

8. Complete requirements in one of the following options*: Note: With approval of advisor**,** up to 3 hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, 399, 499, or 597.

    a. **Environmental Biology and Evolution** (71-85 hours total)

        1. Required courses: BIO 369(4), 515(3)

        2. Complete courses in biodiversity and evolution totaling at least 3 hours from the following: BIO 334(3), 339(2), 370(4), 371(3), 380(5), 530(3), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 534(2), 535(1), 555(3), 556(3), 587(3), 588(3)

        3. Complete courses in population biology totaling at least 3 hours from the following: BIO 436(4), 505(3), 532(3), 540(4), 560(3), 563(3), 567(4), 578(4), 584(3), 589(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 557(2), 558(2)

        4. Complete courses in community/ecosystem biology totaling at least 3 hours from the following: BIO 373(3), 485(1-3), 508(3), 509(4), 533(3), 539(3), 547(3), 562(4), 579(4); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 537(2), 538(2), 565(3), 566(2)

        5. Students must take at least one biology course with a substantial field component. A course used to satisfy this requirement also may be counted toward the biodiversity, population biology, and community/ecosystem biology

concentration areas described above. Complete one of the following: BIO 334(3), 339(2), 370(4), 436(4), 509(3), 527(1-4), 562(4), 574(2), 575(3), 576(3), 577(3), any biology course taught at the Gulf Coast Research Laboratory, any biology course taught at the Bull Shoals Field station or another field station (with the approval of your advisor)

6. Complete 0-7 hours of elective BIO courses at the level of 300 or higher to total a minimum of 43 hours in biology

7. Complete at least one of the following related requirements in Mathematics, Statistics, or Computer programming: MTH 261(5) or 287(3) or 546(3) or 547(3) or CSC 125(4) or CSC 130(3) or BIO 551(2) or PSY 527(3)

8. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1)

9. Complete one of the following related science courses: AGN 215(3), ANT 375(3); CHM 260(3) or 460(3); GLG 171(3), GRY 351(3)

10. Complete one of the following from related fields of study: ECO 540(3), LAW 537(3), PHI 302(3), PLS 555(3), PSY 379(3)

b. **Microbiology and Biotechnology** (71-87 hours total)

1. Required courses: BIO 310(5), 320(4)

2. Complete 21 additional hours in BIO courses with a minimum of 18 hours from the following: BIO 355(4), 508(3), 511(4), 512(3); 505(3) or 515(3); 517(4), 518(2), 520(3), 530(3), 540(4); BMS 524(3) may be substituted for one of these courses; CHM 302(5) or 502(4) or 505(4) may be substituted for one of these courses

3. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2), or CHM 342(5) and 343(5), or CHM 342(5) and 344(3); CHM 352(3), or CHM 452(3) and 552(3)

c. **Wildlife Biology** (68-87 hours total)

1. Required courses: BIO 320(4) or 361(4), 369(4)

2. Complete two courses in plant biology from: BIO 334(3), 339(2), 530(3),

544(4)

3. Complete three courses in animal biology from: BIO 370(4), 371(3), 380(5), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3)

4. Complete a minimum of 5 hours in management from: BIO 373(3), 485(1-3), 509(4), 532(3), 562(4), 589(3)

5. Complete two courses in ecology and evolution from: BIO 436(4), 515(3), 539(3), 563(3), 567(4), 578(4), 579(4), 584(3)

6. Complete one course in human dimensions from the following: AGN 335(3), BIO 547(3), BIO 561(2), CRM 210(3), ECO 540(3), GRY 108(3), GRY 351(2), PHI 302(3), PLS 555(3), LAW 537(3)

7. Complete one course in earth/environmental science: AGN 215(3), CHM 260(3), GLG 110(4), GRY 142(4)

C. General Baccalaureate Degree Requirements

## Minor(s)

### Biology

Bachelor of Arts

A. BIO 121(4), 122(4), 235(4)

B. Additional biology electives to total 15 hours.

### Biology

Bachelor of Science

A. BIO 121(4), 122(4), 235(4)

B. Additional biology electives to total 19 hours.

### Biology

Bachelor of Science in Education (Non-Certifiable)
BIO 121(4), 122(4), 235(4), 320(4), and 369(4).

## Accelerated graduate program in Biology

Eligible Missouri State undergraduate students may apply for admission to the Biology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Biology Education

## Major(s)

### Biology Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   The following required courses can be used to meet both General Education and Major Requirements: BIO 121(4); MTH 135(3) or 181(3) or 138(5) or 261(5) or 287(3); GLG 110(4) or GRY 135(4) or GLG 171(3) or PHY 100(4) or PHY 123(4)

B. Major Requirements

   1. Core (32 hours): BIO 121(4), 122(4), 215(2), 235(4); 210(3) or 310(5); 361(4), 369(4), 515(3); Select elective courses in biology, 300 level or higher, to total a minimum of 32 hours.

   2. Related Requirements (6-9 hours): SCI 505(3); MTH 135(3) and MTH 181(3), or MTH 138(5) or 261(5) or 287(3); *Note: MTH 130 cannot be substituted for MTH 135.*

   3. Complete the requirements in one of the following grades 9-12 certification areas:

      a. **Categorical Science** (12-21 hours): CHM 116(4) and 117(1), or (CHM 160(4) and 161(1) and 170(3) and 171(1)); PHY 100(4) or PHY 123(4) and 124(4); GLG 110(4) or GRY 135(4) or GLG 171(3)

      b. **Unified Science** (25 hours): CHM 160(4), 161(1), 170(3), 171(1); PHY 123(4), 124(4); GLG 110(4); GRY 135(4)

   4. Public Affairs Capstone Experience will be fulfilled by completion of SCI 214(1), 314(3), 414(3), 493(6), 494(6).

C. Professional Education Courses: A grade of “C” or better in each course is required for state certification.

   1. SCI 214(1), 314(3), 414(3), 493(6), 494(6)

   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

**Health Education Certification (certifiable grades 9-12, added endorsement only)**

Students who complete the BSEd degree with a major in Biology Education may receive Missouri state certification in Health Education grades 9-12 by completing the following courses: BMS 307(4) or KIN 250(3), BMS 308(4) or KIN 252(3), or equivalents; CFD 163(3); BMS 130(3) or 240(3); KIN 253(2), 256(2), 257(2), 358(3); PSY 101(3); SWK 330(3); plus additional hours of electives in health-related courses, in consultation with their advisor, to bring total to 30 hours. In order to meet Missouri state teacher certification requirements, student must have at least a 3.00 GPA in the certificate subject area.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor’s

degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Conservation Law Enforcement Certificate

## Conservation Law Enforcement

This certificate is jointly offered by the Department of Criminology and Criminal Justice and the Department of Biology and is designed to provide students with the fundamental knowledge needed to pursue a career in conservation law enforcement. Students who complete this certificate will better understand the interdisciplinary nature of conservation law enforcement and the interdependent relationship between criminological and biological principles in this unique law enforcement field.

Students must satisfy all prerequisites for any courses they take in the program or they must obtain instructor approval to waive any prerequisites.

### Required Courses

A. CRM 210(3), CRM 365(3), CRM 400(3), BIO 122(4), BIO 373(3)

B. Choose one from following to 18-19 hours in certificate: BIO 532(3), 561(2), 573(3), 575(3), 576(3)

### Recommended Elective

BIO 121(4); or BIO 101(3) and 111(1)

# Environmental Education Certificate

## Environmental Education

This certificate is jointly offered by Department of Biology and Department of Geography, Geology and Planning and provides coursework to improve or broaden the student's background knowledge of environmental related topics and provides instruction on techniques for presenting environmental topics in formal and in nonformal education settings. It also provide exposure to and access to a variety of national and regional environmental education resources that participants can use when developing their own educational programs in the future.

### Admission criteria

The Environmental Education Certificate program is open to all interested persons.

### Completion requirements

Students must take a minimum of five courses as designated and approved and must have an average cumulative grade point average of 2.50 or better in the courses required to receive the certificate. Students must satisfy all prerequisites for any courses they take in the program or they must obtain instructor approval to waive any prerequisites.

### Program requirements (14-16 hours total):

A. GRY 108(3), BIO 561(2)

B. Complete three courses from following electives from at least two different prefixes (course codes). Only one internship and one field course can count toward this program. Cannot count both BIO 547 and GLG 547. Other courses approved by the faculty advisor for the program may be substituted on a case-by-case basis. BIO 399(1-3), BIO 485(1-3), BIO 527(1-4), BIO 547(3), BIO 564(2), BIO 579(4); GRY 318(3), GRY 328(3), GRY 348(3), GRY 353(2), GRY 399(1-3); GLG 110(4), GLG 115(3), GLG 171(3), GLG 350(3), GLG 360(1-3), GLG 399(1-3), GLG 547(3)

# Wildlife Conservation and Management

## Major(s)

### Wildlife Conservation and Management (Comprehensive)

Bachelor of Science
This major is offered in cooperation with the Darr College of Agriculture.

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 121(4); GLG 110(4); GRY 100(3); MTH 135(3) or 138(5)

B. Major Requirements

   1. Agriculture Requirements:

      a. AGN 115(3) or AGP 103(3); AGN 143(3), 215(3), 335(3); AGP 365(3) or 370(3); AGR 383(3)-course deleted-see advisor; AGR 490(1)

      b. Select two courses (4-6 hours) from: AGB 354(2); AGN 351(2); AGP 333(3), 485(3), 583(3)

   2. Biology Requirements:

      a. BIO 121(4), 122(4), 334(3), 339(2), 373(3)

      b. Select one course from: BIO 369(4), 436(4), 562(4)

      c. Select two courses from: BIO 573(3), 575(3), 577(3)

      d. Public Affairs Capstone Experience will be fulfilled by completion of BIO 373(3) and two additional course from the following: BIO 300(1), 355(4), 370(4), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(2), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(4), 584(3), 589(3). Courses may also be counted toward the Biology requirements or ten additional hours in Agriculture and/or Biology requirement.

3. Complete CHM 116(4) and 117(1), or CHM 160(4)

4. Select ten additional hours in Agriculture and/or Biology. An advisor must be contacted to determine specific requirements that would result in eligibility to be placed on federal and state registries in Fisheries Biology, Social Science, Wildlife Biology, etc.

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Chemistry

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Chemistry (BS, Minor)+

Chemistry Education (BSEd)+

### Graduate

Chemistry (MS)+

Plant Science (MS)+

Master of Natural and Applied Sciences degree with an area of emphasis in Chemistry (MNAS)+

Secondary Education with option in Chemistry (MSEd)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Chemistry Education (BSEd); Secondary Education/Chemistry (MSEd)
- Council for the Accreditation of Educator Preparation – Chemistry Education (BSEd); Secondary Education/Chemistry (MSEd)

## General information

### American Chemical Society certification

## Contact

**Department head**

Bryan E. Breyfogle, PhD

**Office**

Temple Hall, Room 423

**Phone**

417-836-5506

The Chemistry Department has been approved to offer a certified program of professional training. The comprehensive major meets all requirements for certification. In addition to the required degree program, approved departments may offer up to six degree options and we have approval for two options. The comprehensive major with the biochemistry emphasis is now approved by ACS as a Biochemistry option and the chemical education degree (if students take CHM 342 and CHM 343 or CHM 342 and CHM 344 but not if they take CHM 200) is now approved by ACS as a Chemical Education option.  All students who have met the curricular guidelines of the approved programs will receive certification from the ACS. These options are recommended for students who plan graduate work in chemistry, teaching in a secondary school district, or employment in the chemical industry after graduation.

## Program requirements and restrictions

- CHM 116 and CHM 197 do not count toward a major or minor in any physical science program.
- For major and minor programs, courses taken more than 10 years before graduation are subject to review and possible rejection by the chemistry staff.
- Recommended schedules for a chemistry major listing the courses to be taken each semester are available in the departmental office.

**Fax**

417-836-5507

**Email**

Chemistry@missouristate.edu

**Website**

chemistry.missouristate.edu

# Chemistry Faculty

## Distinguished professor

Eric Bosch, PhD

## Professors

Richard N. Biagioni, PhD

Bryan E. Breyfogle, PhD

Nikolay N. Gerasimchuk, PhD

Tamera S. Jahnke, PhD

Mark M. Richter, PhD

G. Alan Schick, PhD

M. Reza Sedaghat-Herati, PhD

Adam K. Wanekaya, PhD

## Associate professors

Dean A. Cuebas, PhD

Gary A. Meints, PhD

Erich D. Steinle, PhD

## Assistant professors

Gautam Bhattacharyya, PhD

Kathryn M. Fichter, PhD

Cyren M. Rico, PhD

Matthew R. Siebert, PhD

Fei Wang, PhD

Keiichi Yoshimatsu, PhD

## Senior instructor

Brian D. High, MS

## Instructors

Helena P. Metzker, MS

Lisa L. Reece, MS

## Emeritus faculty

Robert L. Ernst, PhD

Annette W. Gordon, PhD

Wyman K. Grindstaff, PhD

Doris C. Lorz, MS

James F. O’Brien, PhD

Ralph W. Sheets, PhD

Shujun Su, PhD

Vernon J. Thielmann, PhD

Clifton C. Thompson, PhD

Paul M. Toom, PhD

Anthony Toste, PhD

James M. Wilbur, Jr., PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Chemistry Courses

## Chemistry (CHM) courses

**CHM 107 Chemistry for the Citizen**

*General Education Course (Focus on Physical Sciences).*

Concurrent enrollment in CHM 108 is highly recommended. A course for the non-science major. Principal concepts and applications of chemistry are presented. The course looks at both the beneficial side of chemical usage and the problems associated with chemical production and usage. The course provides information needed for a better understanding of environmental concerns, the chemical industry, consumer products and our alternate sources and storage of energy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 108 Chemistry for the Citizen Laboratory**

*Prerequisite: "C-" grade or better in CHM 107 or concurrent enrollment.*

*General Education Course (Focus on Physical Sciences).*

A one semester course for the non-science major. Principal concepts and applications of chemistry are presented. Emphasis on experiments and lab skills associated with the lecture material in CHM 107. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CHM 116 Fundamentals of Chemistry**

*Prerequisite: concurrent enrollment in MTH 103 or eligibility for a higher mathematics course.*

*General Education Course (Focus on Physical Sciences).*

Concurrent enrollment in CHM 117 is highly recommended. Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of introductory chemistry. Cannot be counted towards a chemistry major or minor.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 117 Fundamentals of Chemistry Laboratory**

*Prerequisite: "C-" or better in CHM 116 or concurrent enrollment; concurrent enrollment in MTH 103 or eligibility for a higher mathematics course.*

*General Education Course (Focus on Physical Sciences).*

Emphasis on experiments and lab skills associated with the lecture material in CHM 116, such as chemical fundamentals and applications. Recommended for students needing only one semester of general chemistry lab. Cannot be counted towards a chemistry major or minor. Cannot be taken Pass/Not Pass. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CHM 160 General Chemistry I**

*Prerequisite: eligibility for MTH 135 or higher.*

Concurrent enrollment in CHM 161 is highly recommended. Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors, and most preprofessional students. A grade of "C-" or better is required in this course in order to take CHM 170 or CHM 171. Cannot be taken Pass/Not Pass.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 161 General Chemistry I Laboratory**

*Prerequisite: CHM 160 or concurrent enrollment.*

An introduction to laboratory chemistry employing principles and techniques that reflect material presented in CHM 160, e.g., synthesis, stoichiometry, physical studies, and data manipulation and interpretation. A grade of "C-" or better is required in this course in order to take CHM 171. Cannot be taken Pass/Not Pass. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CHM 170 General Chemistry II**

*Prerequisite: "C-" grade or better in CHM 160.*

Concurrent enrollment in CHM 171 is highly recommended. Emphasis on reaction kinetics, chemical equilibrium, precipitation reactions, acid-base theory and oxidation-reduction reactions. A grade of "C-" or better is required in this course in order to take CHM 342, 352, or 506. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 171 General Chemistry II Laboratory**

*Prerequisite: CHM 170 or concurrent enrollment; and a "C-" or better in CHM 160 and CHM 161.*

An introduction to laboratory chemistry, employing principles and techniques that reflect material presented in CHM 170, e.g., physical studies on kinetics and equilibria of aqueous systems, qualitative and quantitative analysis, and data manipulation and interpretation. A grade of "C-" or better is required in this course in order to take CHM 302 or 342. Cannot be taken Pass/Not Pass. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**CHM 197 Chemical Topics**

For non-science majors: a single topic of contemporary, historical or theoretical significance. Topics may vary each semester; course may be repeated any number of times provided the same topic is not retaken. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CHM 201 Essentials of Organic Chemistry**

*Prerequisite: a "C-" grade or better in CHM 116 or CHM 160.*

Principles of organic chemistry and biochemistry. The laboratory associated with this course is CHM 202. Cannot be counted toward a chemistry major or minor if student passes CHM 342.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 202 Essentials of Organic Chemistry Laboratory**

*Prerequisite: "C-" or better in CHM 117 or CHM 161; "C-" or better in CHM 201 or concurrent enrollment.*

Principles of organic chemistry and biochemistry. Emphasis on experiments and lab skills associate with the lecture material in CHM 201. Cannot be counted towards a chemistry major or minor if the student passes CHM 342. Cannot be taken Pass/Not Pass. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**CHM 240 Glass Working**

*Prerequisite: CHM 170.*

Instruction and practice in glass-working techniques needed to make simple apparatus.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CHM 242 Preparing for Organic Chemistry**

*Prerequisite: "C-" or better in CHM 170 or concurrent enrollment.*

Bridging the gap between CHM 170 and CHM 342, including discussion of how general chemistry differs from organic chemistry, study strategies for organic chemistry, and general chemistry topics discussed in terms of their application to organic chemistry.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHM 260 Principles of Environmental Chemistry**

*Prerequisite: "C-" grade or better in CHM 116 and 117 or CHM 160.*

An introduction to chemical processes occurring in the atmosphere, natural waters and soil. Sources of pollution, effects and remediation strategies are emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**CHM 300 Service Learning in Chemistry**

*Prerequisite: 30 hours, and concurrent registration in a chemistry course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in chemistry to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; students should investigate possible placements, available through the Chemistry Department and the Citizenship and Service Learning Office, prior to registration. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CHM 302 Introduction to Analytical Chemistry**

*Prerequisite: "C-" grade or better in both CHM 170 and CHM 171.*

Fundamentals of chemical analysis and basic statistics; solution equilibria, fundamentals of spectrophotometric, chromatographic, and electrochemical methods. Laboratory includes both wet chemical and instrumental methods. Representative analyses are performed in laboratory. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**CHM 342 Organic Chemistry I**

*Prerequisite: "C-" grade or better in both CHM 170 and CHM 171.*

Systematic coverage of reactions and properties of organic compounds. A grade of "C-" or better is required in this course in order to take CHM 343, CHM 344 or CHM 352. Cannot be taken Pass/Not Pass. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 4
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**CHM 343 Organic Chemistry II**

*Prerequisite: "C-" grade or better in CHM 342.*

Continuation of CHM 342. A grade of "C-" or better is required in this course in order to take CHM 542. Cannot be taken Pass/Not Pass. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 4
**Lab contact hours:** 3

**Typically offered:** Fall, Spring
Projected offerings

**CHM 344 Organic Chemistry II**

*Prerequisite: "C-" grade or better in CHM 342.*

Continuation of the lecture part of CHM 342. Identical to lecture part of CHM 343. A grade of "C-" or better is required in this course in order to take CHM 542. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 352 Introduction to Biochemistry**

*Prerequisite: "C-" grade or better in either [CHM 201 and 202] or CHM 342.*

Recommended Prerequisite: BIO 121 or BMS 110 and 111. Essentials of biochemistry; chemistry and metabolism of biologically important compounds. Does not apply to a chemistry major or minor if the student passes CHM 452.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 353 Introduction to Biochemistry Laboratory**

*Prerequisite: CHM 171 or [CHM 201 and 202] or CHM 342; and CHM 352 or concurrent enrollment.*

Introduction to modern biochemical techniques including buffer preparation, chromatographic separations and spectrophotometric analysis of biomolecules. CHM 353 and 453 cannot both be applied toward a chemistry major or minor. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**CHM 375 Inorganic Chemistry**

*Prerequisite: "C-" grade or better in CHM 170.*

Atomic structure, chemical bonding, acid/base and reduction/oxidation concepts, reactivity of inorganic compounds, chemistry of main group elements, fundamentals of coordination theory. A grade of "C-" or better is required in this course in order to take CHM 575. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 376 Inorganic Preparation**

*Prerequisite: "C-" grades or better in CHM 171 and CHM 375.*

Synthesis of inorganic compounds and measurements of physical and chemical properties of selected inorganic compounds. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**CHM 397 Cooperative Education in Chemistry**

*Prerequisite: acceptance into Cooperative Education Program and permission.*

A combination of supervised work experience in an industrial or governmental laboratory and academic training. May be repeated to a total of 6 semester hours. Variable content course.

**Credit hours:** 2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CHM 398 Chemical Symposium**

*Prerequisite: 14 hours of chemistry.*

Recommended Prerequisite: take within the first 75 hours. Introduction to oral and written scientific communication, laboratory safety, ethics, scientific literature searching and software, and current trends in chemical research. Does not count toward a chemistry minor. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 399 Undergraduate Research**

*Prerequisite: permission of instructor.*

Individual investigation of a chemical problem under the guidance of a chemistry department faculty member. Students are required to consult with the chemistry department to obtain a research information packet and to discuss research options with chemistry faculty members. A formal written report is required for this course. May be repeated to a total of 5 hours. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CHM 435 Investigations in Chemistry for Teachers**

*Prerequisite: 15 hours of chemistry or permission.*

Techniques in performing science investigation with application to secondary and middle school science. May be taught concurrently with CHM 635. Cannot receive credit for both CHM 435 and CHM 635.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**CHM 452 Biochemistry I**

*Prerequisite: "C-" or better in CHM 343 or CHM 344.*

Recommended Prerequisite: BIO 121 or BMS 110 and 111. Structure and function of biomolecules: proteins, enzymes, nucleic acids, carbohydrates, lipids and membranes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 453 Biochemistry Laboratory I**

*Prerequisite: CHM 452 or concurrent enrollment.*

A series of multidimensional biochemical experiments designed to explore the biochemical literature, scientific report writing, and the biochemical techniques used to isolate and study biomolecules. CHM 353 and 453 cannot both be applied toward a chemistry major or minor. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**CHM 460 Environmental Chemistry: Water and Land**

*Prerequisite: "C-" or better in CHM 170; and "C-" or better in CHM 201 or CHM 342.*

Recommended Prerequisite: CHM 302. Chemistry of water and soil, water treatment, agricultural chemistry and related topics. May be taught concurrently with CHM 660. Cannot receive credit for both CHM 460 and CHM 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 461 Environmental Chemistry: Air and Energy**

*Prerequisite: "C-" or better in CHM 201 or CHM 342.*

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Atmospheric chemistry; pollution issues related to power production and transportation; energy sources and fuels. May be taught concurrently with CHM 661. Cannot receive credit for both CHM 461 and CHM 661.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 462 Environmental Chemistry Laboratory**

*Prerequisite: "C-" or better in CHM 302 and CHM 460.*

Techniques and procedures for environmental monitoring to test natural samples. Applications and limitations of wet chemical and instrumental methods such as atomic absorption, gas chromatography, absorption spectrophotometry. May be taught concurrently with CHM 662. Cannot receive credit for both CHM 462 and CHM 662. Cannot receive credit for both CHM 462 and CHM 463.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**CHM 463 Environmental Analysis**

*Prerequisite: "C-" or better in CHM 302 and CHM 460.*

Techniques and procedures for environmental analysis of natural water samples with an emphasis on wet chemical methods. Cannot receive credit for both CHM 462 and CHM 463. Scheduled as first block class.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**CHM 492 Program Assessment**

*Prerequisite: senior standing chemistry major; and permission of department head.*

Required assessment of undergraduate Comprehensive and Non-comprehensive Chemistry majors, who are required to enroll in this course during their final semester and complete a comprehensive assessment exam, as administered by the department. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CHM 498 Chemistry Careers**

*Prerequisite: CHM 398 and 60 hours.*

Writing scientific resumes and cover letters, discussion of chemistry careers, graduate school, job-hunting resources and professional ethics. Outside speakers from chemistry-related employers will be invited. Interaction with the Career Center will be required. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 499 Advanced Undergraduate Research**

*Prerequisite: CHM 398 and CHM 399, and permission of instructor.*

Investigation of a research project as a continuation from CHM399 or pursuit of more advanced study under the guidance of a chemistry department faculty member. A formal written report and formal oral presentation of the research conducted are is required for this course. May be repeated to a total of 5 hours. Public Affairs Capstone Experience course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CHM 502 Techniques of Instrumental Analysis**

*Prerequisite: "C-" or better in [CHM 201 and 202] or CHM 342; and "C-" or better in CHM 302.*

Recommended Prerequisite: PHY 124 or PHY 204. Applications of instrumental methods for the separation and analysis of materials; included are potentiometry, photometry and chromatography. May be taught concurrently with CHM 602. Cannot receive credit for both CHM 602 and CHM 502. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**CHM 505 Fundamentals of Physical Chemistry**

*Prerequisite: "C-" or better in CHM 302; and in CHM 201 or CHM 342; and in MTH 261 or MTH 287.*

A one semester introduction to physical chemistry including the following topics: thermodynamics, chemical equilibrium, chemical kinetics, atomic and molecular structure, and spectroscopy. Laboratory experiments will illustrate principles of physical chemistry and techniques of analysis. Does not apply to a Chemistry major or minor if the student passes CHM 506. May be taught concurrently with CHM 605. Cannot receive credit for both CHM 605 and CHM 505.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**CHM 506 Physical Chemistry I**

*Prerequisite: "C-" or better in CHM 170; and MTH 280 or MTH 288 or concurrent enrollment in MTH 280 or MTH 288.*

Recommended Prerequisite: MTH 302; and PHY 124 or PHY 204. First semester of a two-semester series covering aspects of quantum mechanics, classical and statistical thermodynamics, spectroscopy, kinetic theory of gases, and chemical kinetics. A grade of "C-" or better is required in this course in order to take CHM 507. Cannot be taken Pass/Not Pass. May be taught concurrently with CHM 606. Cannot receive credit for both CHM 606 and CHM 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 507 Physical Chemistry II**

*Prerequisite: "C-" grade or better in CHM 506.*

Recommended Prerequisite: CHM 375. Second semester of a two-semester series that builds upon and completes the topics introduced in CHM 506. May be taught concurrently with CHM 607. Cannot receive credit for both CHM 607 and CHM 507.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 508 Physical Chemistry Laboratory I**

*Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 506 or CHM 606 or concurrent enrollment in CHM 506 or CHM 606.*

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 506. May be taught concurrently with CHM 608. Cannot receive credit for both CHM 608 and CHM 508.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**CHM 509 Physical Chemistry Laboratory II**

*Prerequisite: CHM 507 or CHM 607 or concurrent enrollment; and CHM 508 or CHM 608.*

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 507. May be taught concurrently with CHM 609. Cannot receive credit for both CHM 609 and CHM 509.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**CHM 514 Polymer Chemistry**

*Prerequisite: "C-" or better in CHM 343 or CHM 344; and "C-" or better in CHM 505 or CHM 605 or CHM 506 or CHM 606.*

Morphology and chemical structure, polymer characterization, chemical structure and polymer properties, vinyl and non-vinyl polymers and mechanism of formation. Inorganic and partially inorganic polymers. May be taught concurrently with CHM 614. Cannot receive credit for both CHM 614 and CHM 514.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**CHM 542 Advanced Organic Chemistry**

*Prerequisite: "C-" grade or better in CHM 343 or CHM 344.*

Structure, reaction mechanisms, stereochemistry and other topics of theoretical nature in organic and polymer chemistry. May be taught concurrently with CHM 642. Cannot receive credit for both CHM 542 and CHM 642.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 552 Biochemistry II**

*Prerequisite: "C-" or better in CHM 452.*

Bioenergetics--Metabolism of biomolecules including carbohydrates, lipids, amino acids and nucleotides. Photosynthesis. Nitrogen metabolism. Mechanisms of hormone action. May be taught concurrently with CHM 652. Cannot receive credit for both CHM 552 and CHM 652.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 553 Advanced Biochemistry Laboratory**

*Prerequisite: CHM 453; and CHM 552 or concurrent enrollment.*

Emphasis on modern techniques in the biochemistry laboratory; enzymology, protein purification and analysis; protein structure determination; isoelectric focusing; HPLC; trace techniques. Supplemental course fee. May be taught concurrently with CHM 653. Cannot receive credit for both CHM 553 and CHM 653.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**CHM 575 Advanced Inorganic Chemistry**

*Prerequisite: "C-" or better in CHM 375.*

Theories and techniques of modern inorganic chemistry; correlation of theories with inorganic compounds. May be taught concurrently with CHM 675. Cannot receive credit for both CHM 575 and CHM 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 597 Special Topics in Chemistry**

*Prerequisite: 18 hours of chemistry.*

Selected topics of a theoretical or applied nature. May be repeated up to a total of 6 hours with differing topics. May be taught concurrently with CHM 697. Cannot receive credit for both CHM 697 and CHM 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CHM 602 Techniques of Instrumental Analysis**

*Prerequisite: "C-" or better in either [CHM 201 and 202] or CHM 342; and "C-" or better in CHM 302.*

Recommended Prerequisite: PHY 124 or PHY 204. Applications of instrumental methods for the separation and analysis of materials; included are potentiometry, photometry and chromatography. Does not apply to a Chemistry major if the student passes CHM 702. May be taught concurrently with CHM 502. Cannot receive credit for both CHM 502 and CHM 602.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**CHM 605 Fundamentals of Physical Chemistry**

*Prerequisite: permission.*

A one semester introduction to physical chemistry including the following topics: thermodynamics, chemical equilibrium, chemical kinetics, atomic and molecular structure, and spectroscopy. Laboratory experiments will illustrate principles of physical chemistry and techniques of analysis. Credit does not apply to BS or MS degrees in Chemistry. May be taught concurrently with CHM 505. Cannot receive credit for both CHM 505 and CHM 605.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Spring
Projected offerings

**CHM 606 Physical Chemistry I**

*Prerequisite: "C-" or better in CHM 170; and MTH 280 or MTH 288 or concurrent enrollment in MTH 280 or MTH 288.*

Recommended Prerequisite: MTH 302; and PHY 124 or PHY 204. First semester of a two-semester series covering aspects of quantum mechanics, classical and statistical thermodynamics, spectroscopy, kinetic theory of gases, and chemical kinetics. A grade of "C-" or better is required in this course in order to take CHM 607. May be taught concurrently with CHM 506. Cannot receive credit for both CHM 606 and CHM 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 607 Physical Chemistry II**

*Prerequisite: "C-" grade or better in CHM 506 or 606.*

Recommended Prerequisite: CHM 375. Second semester of a two-semester series that builds upon and completes the topics introduced in CHM 606. May be taught concurrently with CHM 507. Cannot receive credit for both CHM 607 and CHM 507.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 608 Physical Chemistry Laboratory I**

*Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 506 or CHM 606 or concurrent enrollment in CHM 506 or CHM 606.*

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 506 or 606. May be taught concurrently with CHM 508. Cannot receive credit for both CHM 608 and CHM 508.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**CHM 609 Physical Chemistry Laboratory II**

*Prerequisite: CHM 507 or CHM 607 or concurrent enrollment; and CHM 508 or CHM 608.*

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 507 or 607. May be taught concurrently with CHM 509. Cannot receive credit for both CHM 609 and CHM 509.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**CHM 614 Polymer Chemistry**

*Prerequisite: "C-" or better in CHM 343 or CHM 344; and CHM 505 or CHM 605 or CHM 506 or CHM 606.*

Morphology and chemical structure, polymer characterization, chemical structure and polymer properties, vinyl and non-vinyl polymers and mechanism of formation. Inorganic and partially inorganic polymers. May be taught concurrently with CHM 514. Cannot receive credit for both CHM 514 and CHM 614.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**CHM 635 Investigations in Chemistry for Teachers**

*Prerequisite: coursework sufficient to meet Missouri certification standards for secondary/middle school science teaching.*

Techniques in performing science investigation with application to secondary and middle school science. May be taught concurrently with CHM 435. Cannot receive credit for both CHM 435 and CHM 635.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**CHM 642 Advanced Organic Chemistry**

*Prerequisite: "C-" grade or better in CHM 343 or CHM 344.*

Structure, reaction mechanisms, stereochemistry and other topics of theoretical nature in organic and polymer chemistry. May be taught concurrently with CHM 542. Cannot receive credit for both CHM 542 and CHM 642.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 652 Biochemistry II**

*Prerequisite: "C-" or better in CHM 452.*

Bioenergetics--Metabolism of biomolecules including carbohydrates, lipids, amino acids and nucleotides. Photosynthesis. Nitrogen metabolism. Mechanisms of hormone action. May be taught concurrently with CHM 552. Cannot receive credit for both CHM 552 and CHM 652.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 653 Advanced Biochemistry Laboratory**

*Prerequisite: CHM 453; and CHM 552 or CHM 652 or concurrent enrollment in CHM 552 or CHM 652.*

Emphasis on modern techniques in the biochemistry laboratory; enzymology, protein purification and analysis; protein structure determination; isoelectric focusing; HPLC; trace techniques. Supplemental course fee. May be taught concurrently with CHM 553. Cannot receive credit for both CHM 553 and CHM 653.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**CHM 660 Chemistry of Environmental Systems: Water and Land**

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Chemistry of water and soil, water treatment, agricultural chemistry, and related topics. May be taught concurrently with CHM 460. Cannot receive credit for both CHM 460 and CHM 660.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CHM 661 Chemistry of Environmental Systems: Air and Energy**

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Atmospheric chemistry; pollution issues related to power production and transportation; energy sources and fuels. May be taught concurrently with CHM 461. Cannot receive credit for both CHM 661 and CHM 461.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 662 Chemistry of Environmental Systems Laboratory**

*Prerequisite: CHM 660 or concurrent enrollment.*

Techniques and procedures for environmental monitoring to test natural samples. Applications and limitations of wet chemical and instrumental methods such as atomic absorption, gas chromatography, and absorption spectrophotometry. May be taught concurrently with CHM 462. Cannot receive credit for both CHM 462 and CHM 662.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**CHM 675 Advanced Inorganic Chemistry**

*Prerequisite: "C-" or better in CHM 375.*

Theories and techniques of modern inorganic chemistry; correlation of theories with inorganic compounds. May be taught concurrently with CHM 575. Cannot receive credit for both CHM 575 and CHM 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CHM 697 Special Topics in Chemistry**

*Prerequisite: 18 hours of chemistry.*

Selected topics of a theoretical or applied nature. May be repeated up to a total of 6 hours with differing topics. May be taught concurrently with CHM 597. Cannot receive credit for both CHM 597 and CHM 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CHM 700 Chemistry Colloquium**

A series of oral presentations on new developments in chemistry. Presentations to be made by faculty members, students, and guest speakers from industry and academe. One of the requirements of this course is an oral presentation. May be repeated, but not more than 2 hours may be counted toward the 32-hour requirement for the MS in Chemistry degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 701 Chemistry Seminar**

Attendance at oral presentations on new developments in chemistry. Presentations may include those made by departmental faculty members, departmental graduate students, guest speakers from industry and academe and ACS tour speakers. All graduate students not enrolled in CHM 700 must be enrolled in CHM 701. Hours earned will not count toward the 32-hour requirement for the MS in Chemistry degree. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 702 Advanced Topics in Analytical Chemistry**

*Prerequisite: CHM 602.*

An advanced topic in analytical chemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: electroanalytical methods, nanotechnology, forensic chemistry and data acquisition methods. Variable content course. May be repeated to a total of 6 hours with differing topics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHM 710 Special Topics in Chemical Education**

*Prerequisite: coursework sufficient to meet Missouri certification standards in chemistry for secondary teaching or permission.*

A single topic of current interest in the teaching of chemistry will be considered. May be repeated to a total of 9 hours provided the topics are different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CHM 720 Topics in Theoretical Chemistry**

*Prerequisite: coursework sufficient to meet Missouri certification standards in chemistry for secondary teaching or permission.*

Nature of matter including atomic structure, chemical bonding and spectroscopy.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHM 735 Investigation in Chemistry for Teachers**

*Prerequisite: CHM 635 or concurrent enrollment; coursework sufficient to meet Missouri certification standards for secondary/middle school science teaching.*

Techniques in performing science investigation with application to secondary and middle school science.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**CHM 742 Physical Organic Chemistry**

*Prerequisite: CHM 642.*

An in-depth study of the experimental techniques and physical principles used for the determination of organic reaction mechanisms.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHM 752 Advanced Topics in Biochemistry**

*Prerequisite: CHM 652.*

An advanced topic in biochemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: carbohydrates, the cell surface, and physical biochemistry. Variable content course. May be repeated to a total of 6 hours with differing topics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**CHM 770 Chemical Kinetics**

*Prerequisite: CHM 606.*

Fundamental concepts of chemical kinetics and dynamics, from both macroscopic and molecular level perspectives. An emphasis will be placed on the interpretation of gas, liquid, surface and catalyst reaction kinetics and mechanisms.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**CHM 771 Chemical Bonding**

*Prerequisite: CHM 607.*

Quantum mechanics; atomic and molecular structure; computational procedures. Independent study project required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**CHM 775 Organometallic Chemistry**

*Prerequisite: CHM 675.*

An in-depth examination of the structure, properties, and reactions of molecules containing one or more metal atoms bonded to organic fragments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**CHM 790 Advanced Topics in Chemistry**

Detailed treatment of various advanced topics in chemistry. Variable content course. May be repeated with differing topics.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CHM 791 Preparation for Graduate Study in Chemistry**

*Prerequisite: admission to graduate program in Chemistry.*

Orientation to graduate study in chemistry, including laboratory safety, scientific dissemination, and design of a research project.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CHM 792 Degree Paper in Chemistry**

*Prerequisite: 4 or more hours of CHM 798 and departmental permission.*

Written research paper on a selected topic to be read and evaluated by an advisory committee and presented orally before a public audience. Exclusively satisfies requirements for non-thesis option.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHM 793 Research Paper in Chemistry**

*Prerequisite: departmental permission.*

Extensive paper on a selected topic to be read and evaluated by a faculty committee. Exclusively used to satisfy requirements for non-thesis option. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CHM 796 Science Internship**

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CHM 798 Research**

Supervised research in special chemistry areas. May be repeated, but not more than 6 hours of CHM 798 may be counted toward the 32-hour requirement for the MS degree.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CHM 799 Thesis**

Independent research and study connected with preparation of thesis. Not more than 6 hours of CHM 799 may be counted toward the 32-hour requirement for the MS degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

MAKE YOUR MISSOURI STATEMENT™

# Chemistry

## Major(s)

## Chemistry (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. CHM 160(4), 161(1), 170(3), 171(1), 302(5), 342(5), 343(5), 375(3), 398(1)*; CHM 505(4) or 506(3) and CHM 507(3) and 508(2); 492(0), 498(1)*, 502(4); and one hour from CHM 397* or 399*,**

2. Chemistry electives from one of the following categories:

    a. For a basic chemistry program without a specific area of emphasis, at least eight hours from CHM 352(3), 376(2), 399*,** or 499(1-3)*, 460(3) or 461(3), 509(2)

    b. For students with a strong interest in environmental chemistry: CHM 460(3), 461(3), 462(2)

    c. For students with a strong interest in biochemistry or pre-medicine: CHM 452(3), 453(2), 552(3), 553(2)

    d. For a specific area of interest not included in categories a, b, or c: at least nine hours of chemistry courses numbered greater than 300 selected in consultation with the student's academic advisor and approved by the department head.

3. Public Affairs Capstone Experience will be fulfilled by completion of CHM 398 and 498(2); and CHM 397 or 399 or 499(1)

4. Related science and mathematics requirements:

    a. MTH 261*** and 280(10) or MTH 261*** and 288(8) or MTH 287 and 288(6)

    b. PHY 123*** and 124(8) or PHY 203*** and 204(10)

**Will also count toward the Public Affairs Capstone Experience requirement*
***If using CHM399 to fulfill B.1. and B.2.a.: Any hours of CHM399 used to fulfill B.2.a. are in addition to B.1.*
****Will also count toward General Education requirements*

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Chemistry (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. CHM 160(4), 161(1), 170(3), 171(1), 302(5), 342(5), 343(5), 375(3), 398(1)*, 452(3), 492(0), 498(1)*, 502(4), 506(3), 507(3), 508(2), 575(3)

2. Related science and mathematics requirements:

   a. MTH 287 and 288(6) or MTH 261** and 280(10) or MTH 261** and 288(8)

   b. PHY 123** and 124(8) or PHY 203** and 204(10)

   c. Recommended: CSC 111(3)

3. Public Affairs Capstone Experience will be fulfilled by completion of CHM 398 and 498(2); and CHM 397 or 399 or 499(1)

4. Complete requirements in one of the following options:

   a. **Biochemistry:** This program is designed for students preparing for a career in medicine or graduate study in biochemistry. Required courses: CHM 399(1-3)* or 499(1-3)*, 453(2), 552(3), 553(2); BIO 121(4)**, 235(4), 320(4). Suggested elective: BIO 310(5). Premedical students should also take courses in anatomy and physiology.

   b. **Graduate School:** This program is designed for students preparing for graduate study in chemistry. Required courses: CHM 376(2), 499(1-3)*, 509(2); Select one: CHM 514(3), 542(3), 552(3). Suggested electives: one year foreign language

c. **Industrial:** This program is designed for students preparing for industrial positions upon completion of the BS degree, but who wish to be prepared for future entry into graduate school. Required courses: CHM 376(2), 509(2), 514 or 542(3), four hours selected from CHM 397(2)*, 399(1-3)*, 499(1-3)*

**Will also count toward Public Affairs Capstone Experience requirement*
***Will also count toward General Education requirements*

C. General Baccalaureate Degree Requirements

## Minor(s)

## Chemistry

Bachelor of Arts
Bachelor of Science

A. CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2) or CHM 342(5)

B. Select an emphasis area from the options below:
   a. Analytical: CHM 302(5)
   b. Biochemistry: CHM 352(3) and 353(2); or CHM 452(3) and 453(2)
   c. Environmental: CHM 460(3) and 461(3)
   d. Inorganic: CHM 375(3) and 376(2)
   e. Organic: CHM 343(5) or 344(3); and CHM 514(3) or CHM 542(3)
   f. Physical: CHM 506(3); and CHM 507(3) or 508(2)
   g. Student Option: Select at least 8 hours in CHM courses numbered 302 or higher.

## Accelerated graduate program in Chemistry

Eligible Missouri State undergraduate students may apply for admission to the Chemistry program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Chemistry Education

## Major(s)

### Chemistry Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   The following required courses can be used to meet both General Education and Major Requirements: BIO 121(4); PHY 123(4) or GLG 110(4); MTH 261(5) or 287(3)

B. Major Requirements:

   1. Core (30-35 hours): CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2), or CHM 342(5) and 343(5), or CHM 342(5) and 344(3); CHM 302(5), 352(3), 435(1), 460(3), 505(4). Note: Students seeking American Chemical Society certification must take either CHM 342 and 343, or CHM 342 and 344.

   2. Related Requirements (18-20 hours): BIO 121(4); MTH 261(5) or 287(3); PHY 123(4), 124(4); SCI 505(3)

   3. Complete the requirements for grades 9-12 Unified Science certification (13-14 hours): CHM 462(2) or CHM 463(1); BIO 122(4); GLG 110(4); GRY 135(4)

   4. Public Affairs Capstone Experience will be fulfilled by completion of SCI 214(1), 314(3), 414(3), 493(6), 494(6).

C. Professional Education courses: A grade of “C” or better in each course is required for state certification.

   1. SCI 214(1), 314(3), 414(3), 493(6), 494(6)

   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification

which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Accelerated graduate program in Chemistry

Eligible Missouri State undergraduate students may apply for admission to the Chemistry program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Computer Science

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Computer Science (BS, Minor)+

Informatics (Minor)

### Graduate

Computer Science (MS)+

Natural and Applied Science with emphasis in Computer Science (MNAS)+

## Accreditation

Computing Accreditation Commission of ABET http://www.abet.org/ — Computer Science (BS)

## Contact

**Interim department head**

Jorge L. Rebaza-Vasquez, PhD

**Office**

Cheek Hall, Room 203C

**Phone**

417-836-4157

**Fax**

417-836-6659

**Email**

ComputerScience@MissouriState.edu

**Website**

computerscience.missouristate.edu

# Computer Science Faculty

## Professors

Hui Liu, PhD

Lloyd A. Smith, PhD

Kenneth R. Vollmar, PhD

Yang Wang, PhD

## Associate professor

Jamil M. Saquer, PhD

## Assistant professors

Anthony J. Clark, PhD

Razib Iqbal, PhD

## Emeritus faculty

Melvin V. Foster, PhD

Richard A. Martin, EdD

Edward H. Matthews, PhD

Michael W. Scroggins, MBA

Missouri State

Office of the Registrar

Undergraduate Catalog



# Computer Science Courses

## Computer Science (CSC) courses

**CSC 111 Introduction to Computing**

*Prerequisite: eligible for MTH 261.*

An introduction to computer hardware, software, and network resources. Spreadsheets and computer-based mathematical software will be emphasized. Students will write programs and create computational models to analyze data and make written and oral presentations describing conclusions drawn from their analyses.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 121 Introduction to BASIC Programming**

Problem solving with computers, analysis of computational problems and development of algorithms for their solution. Algorithms will be implemented in the BASIC language utilizing personal computers.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 125 Introduction to C++ Programming**

Programming and problem-solving using C++. Language constructs for assignment, flow control, input/output and functions are studied and applied. Techniques of object-oriented programming are introduced.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**CSC 130 The World of Computer Science**

A broad overview of computer science, with topics ranging from the basic structure of a computer to artificial intelligence. Students will use a high-level language to investigate and implement solutions to problems in a range of fields. Suitable for non-majors who want to learn more about computer science.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 131 Computational Thinking**

*Prerequisite: "C" or better in CSC 130 and eligible for MTH 261.*

Solving problems using computation and implementing solutions in a high-level programming language. Introduction to problem analysis, solution design, data structures, and algorithms.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CSC 197 Introductory Topics in Computer Science**

Variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if a different topic is offered, however, no more than six credits may count toward any degree.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSC 210 Public Affairs Issues in Computing**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

An introduction to public affairs issues in computing. Topics include civic applications, public sources of data, data and computer system security, opportunities and dangers of artificial intelligence and data mining, social media and computer mediated collaboration, and cultural factors in the internationalization of software. Student will design a civic application or system intended to serve the public good.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 226 Special Languages**

Study of computer languages and their use in particular application domains.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 232 Data Structures**

*Prerequisite: "C" or better in CSC 130 and CSC 131; and MTH 215 or MTH 315 or concurrent enrollment.*

A continuation of CSC 131. Topics will include: algorithm design; complexity analysis; abstract data types and encapsulation; basic data structures and their application, including stacks, queues, linked lists and binary trees; dynamic memory allocation; recursion; sorting and searching; debugging techniques.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**CSC 300 Service Learning in Computer Science**

*Prerequisite: 30 hours and concurrent registration in a Computer Science course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Computer Science to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CSC 301 Introduction to Video Game Design**

*Prerequisite: 30 hours; and eligible for Writing II; and permission of instructor.*

An introduction to the main elements of video game design (including setting, story, goals, narrative, mechanics, and level design) and the structure and responsibilities of a game development team. The emphasis will be on game designs that could be implemented by a small team within one year. Students will design a game and create a design document. Does not count towards a Computer Science major. Identical with ART 301. Cannot receive credit for both CSC 301 and ART 301.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 303 Introductory Video Game Development for Designers and Programmers**

*Prerequisite: ART/CSC 301; and either CSC 232 or MED 290.*

Hands-on introduction to video game development software, emphasizing level design, placement of art assets, lighting, and scripting. Students may collaborate with ART 302 students to experience industry-typical workflow between designers, artists and programmers. Does not count towards a Computer Science major.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSC 325 Algorithms and Advanced Data Structures**

*Prerequisite: "C" or better in CSC 232; and either MTH 215 or MTH 315.*

This course should be taken as soon as possible after CSC 232. Algorithms and advanced data structures, including graphs, heaps, self-adjusting data structures, set representations and dynamic programming. Sample applications, including memory management and data compression. Introduction to NP-complete problems. Correctness proofs and efficiency analysis are stressed. May be taught concurrently with CSC 611. Cannot receive credit for both CSC 611 and CSC 325.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 333 Languages and Machines**

*Prerequisite: "C" or better in CSC 232; and CSC 344 or concurrent enrollment; and MTH 215 or MTH 315.*

A study of two classes of languages: formal languages (regular, context-free, and computable) and their associated machines (finite automata, pushdown automata, and Turing machines); and programming languages, including the essential features of imperative, functional, object-oriented, and logic programming languages, together with their design and implementation on modern computers and virtual machines.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 335 Database System Concepts**

*Prerequisite: "C" or better in CSC 121 or CSC 125 or CSC 131.*

A study of modern database systems and their underlying concepts. Core topics include the relational model, SQL, database design theory, query processing, file structures, transactions, and concurrency. Programming projects provide practical experience in developing GUI database applications. Public Affairs Capstone Experience course. May be taught concurrently with CSC 612. Cannot receive credit for both CSC 612 and CSC 335.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 338 Parallel and Distributed Computing**

*Prerequisite: "C" or better in CSC 232; and CSC 344 or concurrent enrollment.*

Introduction to parallel and distributed computing through algorithms, strategies for problem decomposition, system architecture, implementation strategies, and performance analysis.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 344 Computer Systems Fundamentals**

Prerequisite CSC 232. An integrated introduction to computer systems fundamentals. Topics include computer architecture and major components, operating system concepts and implementation techniques (processes, threads, memory management, and distributed systems), and network theory, concepts and techniques. May be taught concurrently with CSC 613. Cannot receive credit for both CSC 613 and CSC 344.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 365 Internet Programming**

*Prerequisite: "C" or better in CSC 121 or CSC 125 or CSC 131.*

An introduction to paradigms and languages used in Internet and World Wide Web programming. These include modern tools for client-side and server-side programming and dynamic Web page generation. Advanced topics, such as security and XML, will be covered as time allows. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 388 Introduction to Secure Computing**

*Prerequisite: CSC 232.*

This course will provide an introduction to the general principles of secure computing and computer security. Students will learn about common threat types and cyber attacks including malware, denial-of-service, spoofing, and phishing as well as fundamental building blocks of secure computing systems such as authentication, encryption, and digital signatures. This course will also cover selective topics in computer forensics.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 399 Cooperative Education in Computer Science**

*Prerequisite: permission of department head.*

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours. Does not count toward any Computer Science minor.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSC 421 Numerical Analysis I**

*Prerequisite: MTH 280.*

Recommended: CSC 125 or CSC 131. Solution of systems of linear and nonlinear equations, interpolation, integration, approximation, matrix computations. Problem solution will include the use of software. Identical with MTH 421. Cannot receive credit for both CSC 421 and MTH 421.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 422 Numerical Analysis II**

*Prerequisite: MTH 303 and MTH 421.*

Solution of initial and boundary value problems in ordinary and partial differential equations, simulation, and optimization. Problem solution will include the use of software. Identical with MTH 422. Cannot receive credit for both CSC 422 and MTH 422.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 423 Digital Simulation**

*Prerequisite: CSC 232 and either MTH 345 or MTH 540.*

The study of simulation techniques. Topics will include: probability distributions, statistical testing, random number generators, design of simulation experiments, language structures for simulation, and study of a simulation language.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 450 Introduction to Software Engineering**

*Prerequisite: CSC 325 and CSC 335 and CSC 365.*

Principles, techniques and tools used to effect the orderly production of medium and large scale computer programs will be studied. These techniques will be applied to programming projects with students working in teams and managing all phases of a programming project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 455 Software Quality Assurance and Project Management**

*Prerequisite: CSC 232.*

A broad coverage of software quality and testing including quality assurance, inspections and reviews, software validation and verification, various testing techniques, and related tools. Other topics are essential software project planning steps, cost estimation, productivity metrics, release and configuration management concepts. May be taught concurrently with CSC 655. Cannot receive credit for both CSC 455 and CSC 655.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 482 Seminar in Computer Science**

*Prerequisite: 60 hours.*

Current trends and ethics in computer science with consideration given to future opportunities in the field. A written report and successful completion of the computer science assessment test will be required. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 500 Hardware, Software, and Troubleshooting Personal Computers**

An introduction to the installation, maintenance, troubleshooting, upgrading, simple repair, and management of personal computers found in educational settings. This course will provide numerous laboratory experiences providing hands-on experience with the goal of enabling students to support personal computer laboratories found in PK-12 schools. This course cannot be taken for credit toward a computer science major or minor. May be taught concurrently with CSC 600. Cannot receive credit for both CSC 600 and CSC 500.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSC 505 Web-Based Resources in Educational Settings**

An introduction to the design, implementation, and management of World Wide Web resources over the Internet and Intranet networks. Topics include Internet overview, web authoring, web programming, server setting and maintenance. The objective of the course is to know tools (HTML, JavaScript, and Java applets, and Internet Server software, and Navigator/Internet Explorer software packages), and their applicability in WWW design and management in PK-12 school settings. This course cannot be taken for credit toward a computer science major or minor. May be taught concurrently with CSC 605. Cannot receive credit for both CSC 605 and CSC 505.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 510 Networking and Telecommunications in Educational Settings**

An introduction to networking and data communications from an educator's perspective. The course will examine the necessary computer hardware, software, and personnel resources relevant to networking and data communication requirements in various educational settings. Local Area Networks, Wide Area Networks, Network Interconnections, and the Internet will be addressed. This course cannot be taken for credit toward a computer science major or minor. May be taught concurrently with CSC 610. Cannot receive credit for both CSC 610 and CSC 510.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 515 Advanced Internet Programming**

*Prerequisite: CSC 365.*

A continuation of CSC 365. Topics include HTML as a semantic language, advanced CSS techniques, the DOM event model, asynchronous JavaScript, user input validation, utilizing 3rd party APIs, authentication over HTTP and high performance site design (including request minification and compression). Security principles will be reinforced throughout the course. May be taught concurrently with CSC 615. Cannot receive credit for both CSC 515 and CSC 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 521 Compiler Construction**

*Prerequisite: CSC 333.*

Topics include lexical analysis, parsing, symbol tables, type checking, run-time organization, code generation, basic code optimization, and the use of compiler development tools. The student must write a complete compiler for a small imperative programming language. May be taught concurrently with CSC 621. Cannot receive credit for both CSC 621 and CSC 521.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSC 525 Computer Graphics**

*Prerequisite: CSC 232 and either MTH 215 or MTH 315.*

Introduction to the hardware and software components of graphics systems. Development of algorithms for two-dimensional graphics including windowing, clipping, and transformations; algorithms for three dimensional graphics including viewing, transformations, and removal of hidden lines and surfaces. Data structures for graphics and interactive techniques will be stressed. May be taught concurrently with CSC 625. Cannot receive credit for both CSC 525 and CSC 625.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 526 Methods of Optimization**

*Prerequisite: CSC 421 or MTH 421; and MTH 533.*

Convex sets, classical optimization of functions, constrained optimization, search techniques, linear and nonlinear optimization, applications to applied problems. May be taught concurrently with CSC 626. Cannot receive credit for both CSC 626 and CSC 526.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 535 Data Mining**

*Prerequisite: CSC 232.*

This course studies the emerging technology of data mining--the automated extraction of patterns and information from data. The focus will be on understanding the algorithms underlying data mining and on the practical use of those algorithms. Students will use data mining software to analyze collections of data. May be taught concurrently with CSC 635. Cannot receive credit for both CSC 535 and CSC 635.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 540 Introduction to Artificial Intelligence**

*Prerequisite: CSC 325.*

Modern techniques for the implementation of goal-directed behavior in intelligent systems, including knowledge representation, search, perception, reasoning, and learning. May be taught concurrently with CSC 640. Cannot receive credit for both CSC 540 and CSC 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 545 Computer Speech, Music and Images**

*Prerequisite: CSC 232.*

This is an applied course focusing on the technical aspects of computer-based multimedia-speech, music, audio, and video. In any given semester, the focus may be more on audio or image processing, or it may be equally balanced between the two. Topics include multimedia data capture and representation, methods of data compression, multimedia information retrieval, and multimedia standards. May be taught concurrently with CSC 645. Cannot receive credit for both CSC 545 and CSC 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 565 Computer Networks**

*Prerequisite: CSC 232.*

An introduction to the theory, concepts and techniques upon which modern computer networks and telecommunication systems are based. The emphasis will be on layered network architectures, the design frameworks for both local and wide area networks and communication protocols. May be taught concurrently with CSC 665. Cannot receive credit for both CSC 565 and CSC 665.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 567 Mobile Computing Applications**

*Prerequisite: CSC 232.*

An introduction to the design, development, and publication of software applications for mobile devices. Course topics will include design and creation of basic and advanced applications, use of an integrated development environment, performance and security issues, and application packaging and distribution mechanisms. May be taught concurrently with CSC 667. Cannot receive credit or both CSC 567 and CSC 667.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 587 Computing for Bioinformatics**

*Prerequisite: any one of CSC 121, CSC 125, CSC 131, CSC 232, BMS 231, BIO 235, or CHM 350.*

This course focuses on computational techniques used in bioinformatics. Topics will include nucleotide and amino acid data representation, sequence alignment, coding sequence prediction, and use of statistical models. Students will learn to use bioinformatics libraries with a script language such as Python or Perl. May be taught concurrently with CSC 687. Cannot receive credit for both CSC 587 and CSC 687.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 590 Advanced Topics in Computer Science**

*Prerequisite: CSC 232.*

Variable content course with advanced topics that can change from semester to semester. Topics may be identified by title in the schedule of classes. May be repeated if a different topic is offered, however, no more than six credits may count toward any degree. May be taught concurrently with CSC 690. Cannot receive credit for both CSC 590 and CSC 690.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSC 596 Special Readings**

*Prerequisite: permission of department head.*

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with CSC 696. Cannot receive credit for both CSC 696 and CSC 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CSC 600 Hardware, Software, and Troubleshooting Personal Computers**

An introduction to the installation, maintenance, troubleshooting, upgrading, simple repair, and management of personal computers found in educational settings. This course will provide numerous laboratory experiences providing hands-on experience with the goal of enabling students to support personal computer laboratories found in PK-12 schools. May be taught concurrently with CSC 500. Cannot receive credit for both CSC 500 and CSC 600.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSC 605 Web-Based Resources in Educational Settings**

An introduction to the design, implementation, and management of World Wide Web resources over the Internet and Intranet networks. Topics include Internet overview, web authoring, web programming, server setting and maintenance. The objective of the course is to know tools (HTML, JavaScript, and Java applets, and Internet Server software, and Navigator/Internet Explorer software packages), and their applicability in WWW design and management in PK-12 school settings. May be taught concurrently with CSC 505. Cannot receive credit for both CSC 505 and CSC 605.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 610 Networking and Telecommunications in Educational Settings**

An introduction to networking and data communications from an educator's perspective. The course will examine the necessary computer hardware, software, and personnel resources relevant to networking and data communication requirements in various educational settings. Local Area Networks, Wide Area Networks, Network Interconnections, and the Internet will be addressed. May be taught concurrently with CSC 510. Cannot receive credit for both CSC 510 and CSC 610.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 611 Algorithms and Advanced Data Structures**

Algorithms and advanced data structures, including graphs, heaps, self-adjusting data structures, set representations and dynamic programming. Sample applications, including memory management and data compression. Introduction to NP-complete problems. Correctness proofs and efficiency analysis are stressed. May be taught concurrently with CSC 325. Cannot receive credit for both CSC 611 and CSC 325.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 612 Advanced Database System Concepts**

A study of modern database systems and their underlying concepts. Core topics include the relational model, SQL, database design theory, query processing, file structures, transactions, and concurrency. Programming projects provide practical experience in developing GUI database applications. May be taught concurrently with CSC 335. Cannot receive credit for both CSC 612 and CSC 335.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 613 Computer Systems Fundamentals**

An integrated introduction to computer systems fundamentals. Topics include computer architecture and major components, operating system concepts and implementation techniques (processes, threads, memory management, and distributed systems), and network theory, concepts and techniques. May be taught concurrently with CSC 344. Cannot receive credit for both CSC 613 and CSC 344.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**CSC 615 Advanced Internet Programming**

Topics include HTML as a semantic language, advanced CSS techniques, the DOM event model, asynchronous JavaScript, user input validation, utilizing 3rd party APIs, authentication over HTTP and high performance site design (including request minification and compression). Security principles will be reinforced throughout the course. May be taught concurrently with CSC 515. Cannot receive credit for both CSC 615 and CSC 515.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 621 Compiler Construction**

Topics include lexical analysis, parsing, symbol tables, type checking, run-time organization, code generation, basic code optimization, and the use of compiler development tools. The student must write a complete compiler for a small imperative programming language. May be taught concurrently with CSC 521. Cannot receive credit for both CSC 521 and CSC 621.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**CSC 625 Computer Graphics**

An introduction to computer graphics, with an emphasis on application programming. Algorithms for two dimensional graphics, including windowing, clipping, and transformations; algorithms for three dimensional graphics, including viewing, transformations, and removal of hidden lines and surfaces. Data structures for graphics and interactive techniques will be stressed. May be taught concurrently with CSC 525. Cannot receive credit for both CSC 625 and CSC 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 626 Methods of Optimization**

Convex sets, classical optimization of functions, constrained optimization, search techniques, linear and nonlinear optimization, applications to applied problems. May be taught concurrently with CSC 526. Cannot receive credit for both CSC 526 and CSC 626.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 635 Data Mining**

Recommended Prerequisite: equivalent of CSC 232. This course studies the emerging technology of data mining - the automated extraction of patterns and information from data. The focus will be on understanding the algorithms underlying data mining and on the practical use of those algorithms. Students will use data mining software to analyze collections of data. May be taught concurrently with CSC 535. Cannot receive credit for both CSC 635 and CSC 535.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 640 Introduction to Artificial Intelligence**

Recommended Prerequisite: equivalent of CSC 325. Modern techniques for the implementation of goal-directed behavior in intelligent systems, including knowledge representation, search, perception, reasoning, and learning. May be taught concurrently with CSC 540. Cannot receive credit for both CSC 640 and CSC 540.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 645 Computer Speech, Music and Images**

This is an applied course focusing on the technical aspects of computer-based multimedia-speech, music, audio, and video. In any given semester, the focus may be more on audio or image processing, or it may be equally balanced between the two. Topics include multimedia data capture and representation, methods of data compression, multimedia information retrieval, and multimedia standards. May be taught concurrently with CSC 545. Cannot receive credit for both CSC 645 and CSC 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 655 Software Quality Assurance and Project Management**

A broad coverage of software quality and testing including quality assurance, inspections and reviews, software validation and verification, various testing techniques, and related tools. Other topics are essential software project planning steps, cost estimation, productivity metrics, release and configuration management concepts. May be taught concurrently with CSC 455. Cannot receive credit for both CSC 655 and CSC 455.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 665 Computer Networks**

An introduction to the theory, concepts and techniques upon which modern computer networks and telecommunication systems are based. The emphasis will be on layered network architectures, the design frameworks for both local and wide area networks and communication protocols. May be taught concurrently with CSC 565. Cannot receive credit for both CSC 665 and CSC 565.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 667 Mobile Computing Applications**

An introduction to the design, development, and publication of software applications for mobile devices. Course topics will include design and creation of basic and advanced applications, use of an integrated development environment, performance and security issues, and application packaging and distribution mechanisms. May be taught concurrently with CSC 567. Cannot receive credit or both CSC 667 and CSC 567.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 687 Computing for Bioinformatics**

This course focuses on computational techniques used in bioinformatics. Topics will include nucleotide and amino acid data representation, sequence alignment, coding sequence prediction, and use of statistical models. Students will learn to use bioinformatics libraries with a script language such as Python or Perl. May be taught concurrently with CSC 587. Cannot receive credit for both CSC 687 and CSC 587.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**CSC 690 Advanced Topics in Computer Science**

Detailed consideration of advanced topics in the field of Computer Science. Topics will change, and this course may be repeated with differing topics. May be taught concurrently with CSC 590. Cannot receive credit for both CSC 690 and CSC 590.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSC 696 Special Readings**

*Prerequisite: permission of department head.*

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with CSC 596. Cannot receive credit for both CSC 596 and CSC 696.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CSC 701 Seminar I**

Computer Science literature and research methods. Students will read research literature in Computer Science and make presentations describing that research. Students will attend presentations by faculty, visitors, and other students. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 702 Seminar II**

*Prerequisite: CSC 701.*

Continuation of CSC 701 with a focus on tools and methods for data analysis. Students will make oral presentations that report experimental results and will attend presentations by faculty, visitors, and other students. Graded Pass/Not Pass only.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 735 Data Analytics**

Study of tools, techniques and frameworks for extracting useful information from large data. Study of machine learning algorithms for data analytics. Visual display of results.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**CSC 742 Evolutionary Computing**

Principles and applications of programs inspired by biological principles. Genetic algorithms and their use in search and optimization. Problem representation, operators, and control. Artificial life and the use of evolutionary computation in robotics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 745 Advanced Multimedia Programming**

Advanced aspects of computer-based multimedia. Topics may differ from semester to semester but will be chosen from computer vision, speech recognition, gesture recognition, image and audio signal processing, data visualization, and multimedia information retrieval.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 746 Human Computer Interaction**

Research and practice in Human-Computer interaction (HCI). Impact of human perception and cognition on user interface design. Tools for building graphical user interfaces (GUIs) and multimodal user interfaces incorporating speech and gesture. Research methods.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**CSC 747 Multimedia Communications**

This course introduces fundamental technologies for multimedia coding, processing, and communications. Emphasis will be given on content representation, delivery over a variety of networks, and various applications including compression, adaptation, and authentication.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 765 Ubiquitous Computing and Internet of Things**

*Prerequisite: CSC 665 or equivalent course or background approved by the instructor.*

An introduction to some of the fundamental concepts and state-of-the-art research in the areas of ubiquitous computing (UbiComp). A significant portion of the course will cover the Internet of Things (IoT). Less emphasis will be given to the hardware and device level details. The major focus of this course is Internet Evolution and Wireless Technologies, Location Services in UbiComp, context-aware computing, privacy and security, wearable computing, mobile OS, IoT and data analytics, cloud computing. Students will learn to carry out research in UbiComp and IoT.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**CSC 790 Graduate Topics in Computer Science**

Variable content course with topics that can change from semester to semester. Topics may be identified by title in the class schedule. May be repeated if a different topic is offered.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**CSC 796 Science Internship**

Completion of an internship project (480 hours) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**CSC 798 Research in Computer Science**

*Prerequisite: permission of department head.*

Supervised research in computer science. May be repeated, but no more than 6 hours may count toward the Master of Natural and Applied Science degree.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**CSC 799 Thesis**

*Prerequisite: permission of instructor.*

Independent research and study connected with preparation of thesis. No more than 6 hours may count toward the Master of Natural and Applied Science degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Computer Science

## Major(s)

### Computer Science (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. CSC 130(3), 131(4), 232(4), 335(3), 338(2), 344(3), 365(3), 388(2), 450(3), 482(1)
2. Select nine additional hours from CSC 300; CSC 399; MTH 421 or CSC 421; or CSC courses numbered 500 or higher with at least six hours from courses other than CSC 399 and CSC 596
3. Related mathematics requirement: MTH 215(3) or MTH 261(5)*
4. Related science requirements: select at least four hours from the following: BIO 121(4)*; BMS 110(3)* and 111(1)*; CHM 116(4) and CHM 117(1); CHM 160(4) and CHM 161(1); GLG 110(4), GRY 135(4), GRY 142(4) Other science and mathematics courses may be acceptable with department approval.
5. Public Affairs Capstone Experience will be fulfilled by completion of CSC 335(3), 365(3), and 482(1).
6. Select one of the following options:
    a. **Computer Science**
        1. CSC 325(3), 333(2)
        2. Additional related mathematics requirements: 11-13 hours from MTH 215(3), 261(5)*, 280(5), 345(3), 540(3). Note: These required mathematics courses automatically satisfy the requirements for a minor in Mathematics.
        3. PHY 203(5)
        4. Select five additional hours of science or mathematics from the following: BIO 121(4)*; BMS 110(3)* and 111(1)*; CHM 116(4) and CHM 117(1); CHM

160(4) and CHM 161(1); GLG 110(4), GRY 135(4), GRY 142(4); PHY 204(5); and MTH courses numbered 400 or higher. Other science and mathematics courses may be acceptable with department approval.

b. **Software Development**

1. CSC 455(3)

2. Select three additional hours from eligible CSC courses numbered 500 or higher excluding CSC 596.

3. ECO 165(3); PSY 121(3); ENG 321(3). Each of these courses may also count toward General Education requirements.

4. Select three additional hours in science courses from the following: BIO 121(4)*; BMS 110(3)* and 111(1)*; CHM 116(4) and CHM 117(1); CHM 160(4) and CHM 161(1); GLG 110(4), GRY 135(4), GRY 142(4), PHY 203(5); and MTH courses numbered 400 or higher. Other science or mathematics courses may be acceptable with department approval.

5. Select one of the following: MKT 350(3), MGT 340(3), COM 315(3), PSY 305(3), PSY 481(3). Other courses may be acceptable with department approval.

*May also count toward General Education requirements

C. Minor Required (Note: The "Computer Science" option contains courses that satisfy the requirements for a minor in Mathematics.)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Computer Science

Bachelor of Arts

A. CSC 130(3); and CSC 121(3) or 125(4) or 131(4)

B. Nine additional hours from eligible CSC courses numbered 232 or higher to bring total hours in minor to at least 15. Courses not eligible: CSC 399, 500, 505, and 510.

### Computer Science

Bachelor of Science

A. CSC 130(3); and CSC 121(3) or 125(4) or 131(4)

B. Six additional hours from eligible CSC courses numbered 232 or higher to bring total hours in minor to at least 12. Courses not eligible: CSC 399, 500, 505, and 510.

## Accelerated graduate program in Computer Science

Eligible Missouri State undergraduate students may apply for admission to the Computer Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 9 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Informatics

## Minor(s)

### Informatics

Bachelor of Science

A. CSC 131(4), 232(4), 335(3), 587(3);

B. MTH 261(5) or MTH 287(3); MTH 280(5) or MTH 288(3); BIO 550(3) or MTH 545(3)

# Engineering Program

## Programs

### Undergraduate

Civil Engineering

Electrical Engineering

## Accreditation

Accreditation Board for Engineering Technology (ABET) - Civil Engineering (BS); Electrical Engineering (BS)

## General Information

For more detailed information, visit the Cooperative Engineering Program website.

Missouri State University and Missouri University of Science and Technology cooperate in offering two engineering programs on the Missouri State University campus – Civil and Electrical Engineering. The degrees are granted by the Missouri University of Science and Technology in cooperation with Missouri State University. Most of the courses required for graduation will be offered on the Missouri State University campus. The Cooperative Engineering program was developed to satisfy the need for engineers in Southwest Missouri, and because of this, there are enrollment restrictions on the Cooperative Engineering program. The following rules apply: Students who are admitted to Missouri State University must have residency in one of the following sixteen counties in Missouri: Barry, Barton, Cedar, Christian, Dade, Dallas, Greene, Jasper, Lawrence, McDonald,

## Contact

**Director**

Doug R. Carroll, PhD

**Office**

Plaster Free Enterprise Center, room 2002

**Phone**

417-837-2315

**Fax**

417-837-2324

**Email**

Engineering@MissouriState.ed

**Website**

Newton, Polk, Stone, Taney, Vernon, and Webster. Students who do not have residency in the sixteen county area are not eligible for the Cooperative Engineering Program. Missouri State University will continue to offer the pre-engineering program to all students, which allows students to complete the first two years of courses on the Missouri State campus and then transfer to the Missouri University of Science and Technology (or another engineering school) to complete their engineering degree.

science.missouristate.edu/engineering.htm

All entering students into the Civil or Electrical Engineering programs must first satisfy the admission requirements in the Missouri State University catalog. Students will be advised by faculty in the Cooperative Engineering Program, and will complete the courses specified for the Freshman Year of the degree. Students will complete the Freshman Year courses with a minimum of a 2.5 GPA, and meet other admission criteria in the Missouri University of Science and Technology catalog, before applying for admission to the Missouri University of Science and Technology. Students must be admitted to the Missouri University of Science and Technology before enrolling in the sophomore, junior and senior engineering courses.

Students will register for the sophomore, junior and senior level engineering courses through the Missouri University of Science and Technology, but the courses will be offered on the Missouri State University campus. Tuition and fees for the sophomore, junior and senior level engineering courses will be set at the Missouri University of Science and Technology rates. Students will register for all non-engineering courses through Missouri State University. Tuition and fees for the non-engineering courses will be set at the Missouri State University rates.

# Engineering Faculty

## Professor

Douglas R. Carroll, PhD

## Associate professor

Matthew C. Pierson, PhD

## Assistant professor

Tayo D. Obafemi-Ajayi, PhD

## Assistant teaching professors

Rohit Dua, PhD

Theresa Odun-Ayo, PhD

## Adjunct faculty

Todd F. Brewer

Jeff S. Thomas

## Distance education and laboratory supervisor

Stephanie R. Erwin

## Emeritus faculty

Robert I. Egbert PhD, PE

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Engineering Courses

## Engineering (EGR) courses

**EGR 110 Study and Careers in Engineering**

Examination of fields of engineering and career opportunities in engineering. Professional expectations of engineers. Introduction to resources for assisting student success.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

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# Department of Geography, Geology, and Planning

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Community and Regional Planning (BS, Minor)+

Earth Science Education (BSEd)+

Environmental Education (Certificate) Interdisciplinary program offered by Department of Biology and Department of Geography, Geology and Planning

Geographic Information Sciences (Certificate)

Geography (BA, BS, Minor)+

Geology (BS, Minor)+

Geospatial Sciences (BS, Minor)+

Geotourism (Minor)

Global Studies (Minor)

Planning and Development (Certificate)

### Graduate

Environmental Monitoring and Sampling (Certificate)

Geospatial Information Sciences (Certificate)

Geospatial Sciences in Geography, Geology and Planning (MS)+

Natural and Applied Science with emphasis in Geography, Geology, and Planning (MNAS)+

Secondary Education with option in Earth Science (MSEd)

Secondary Education with option in Geography (MSEd)

Courses are offered toward the option in Environmental Management within the Professional Studies Program (MPS)

## Accreditations

- Missouri Department of Elementary and Secondary Education– Earth Science Education (BSEd); Secondary Education/Earth Science (MSEd); Secondary Education/Geography (MSEd)
- Council for the Accreditation of Educator Preparation – Earth Science Education (BSEd); Secondary Education/Earth Science (MSEd); Secondary Education/Geography (MSEd)
- Planning Accreditation Board – Community and Regional Planning (BS)

## Contact

**Department head**

Toby J. Dogwiler, PhD

**Office**

Temple Hall, Room 363

**Phone**

417-836-5800

**Fax**

417-836-6006

**Email**

Geography@missouristate.edu

**Website**

geosciences.missouristate.edu

# Geography, Geology, and Planning Faculty

## Distinguished professors

Kevin Mickus, PhD

Robert T. Pavlowsky, PhD

## Professors

Toby J. Dogwiler, PhD

Kevin R. Evans, PhD

Douglas R. Gouzie, PhD

Melida Gutierrez, PhD

Rajinder S. Jutla, PhD

Judith L. Meyer, PhD

Xin Miao, PhD

Charles W. Rovey, PhD

## Associate professors

Alice Jill Black, PhD

Jun Luo, PhD

Xiaomin Qiu, PhD

## Assistant professors

Mario Daoust, PhD

Krista Evans, PhD

Ronald W. Malega, PhD

Matthew Paul McKay, PhD

Gary Michelfelder, PhD

David R. Perkins, PhD

## Senior instructors

Damon J. Bassett, MS

Deborah Corcoran, MS

Linnea A. Iantria, MS

## Emeritus faculty

David A. Castillon, PhD

John Catau, PhD

William H. Cheek, PhD

William T. Corcoran, PhD

Stanley C. Fagerlin, PhD

Russel L. Gerlach, PhD

Dimitri Ioannides, PhD

Elias Johnson, PhD

Vincent E. Kurtz, PhD

Erwin J. Mantei, PhD

James F. Miller, PhD

Thomas D. Moeglin, PhD

Thomas G. Plymate, PhD

Paul A. Rollinson, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Geography, Geology, and Planning Courses

## Geography (GRY) courses

**GRY 100 World Regional Geography**

*General Education Course (Focus on Cultural Competence).*

An examination of the world's geographic regions focusing on the location of Earth's major physical features, human populations and cultures, and their interaction. Topics include natural systems, globalization, ethnic and geopolitical conflicts, and human impacts upon the environment. This course provides both an introduction to geography as a discipline and a basic geographic foundation for those interested in current international issues, politics, history and public affairs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GRY 108 Principles of Sustainability**

*General Education Course (Focus on Social and Behavioral Sciences).*

An introduction to the multidisciplinary concept of "sustainability," including the difficulty of defining sustainability and implementing sustainable development programs. Emphasis is placed on understanding basic environmental and social processes and patterns and how they relate to current events.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GRY 135 Principles of Weather and Climate**

*General Education Course (Focus on Physical Sciences).*

An introductory survey of the earth's weather and climate. A description of the physical processes of the atmosphere is followed by a survey of the world's varied climatic regions. The laboratory involves the preparation and interpretation of meteorological data and the classification of climates. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**GRY 142 Introductory Physical Geography**

*General Education Course (Focus on Physical Sciences).*

A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized. Students who take GRY 240 and GRY 142 may receive credit for only one of these courses. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**GRY 143 Physical Geography Laboratory**

Laboratory instruction in the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized. This course is open only to transfer students who have already completed a 3-credit course equivalent to the lecture portion of GRY 142.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**GRY 197 Selected Topics in Geography I**

*Prerequisite: permission.*

Course devoted to a single topic that can vary from semester to semester depending on student and faculty interest. Topics are limited to those requiring no prior geography background. Examples: Geography of the Home Community, Geography of Energy Resources, Geography of Sport. Students should check the semester class schedule to determine the topic title for any given semester. May be repeated to a total of 5 hours credit. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 240 Earth Science for Teachers**

*Prerequisite: 30 hours; open only to Early Childhood, Elementary, and Middle School majors.*

A course designed to give students an understanding of the processes of science and the basic concepts of earth science using the inquiry approach in hands-on laboratory activities. Content includes maps, earth in space, weather and climate, soils and vegetation, rocks and minerals, landforms, processes of landform development, water resources, environmental relationship to the physical setting. Does not apply toward the major in Secondary Education. Students who take GRY 240 and GRY 142 may receive credit for only one of these courses.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**GRY 275 Introduction to Plane Surveying**

*Prerequisite: MTH 138 or MTH 181 or MTH 261 or MTH 287.*

Fundamental concepts and practices of land surveying. Practical exercises comparable to those used at Missouri University of Science and Technology.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**GRY 300 Geography of the United States**

Physical and cultural regions of the United States, including their characteristics and resource utilization. Topics include landforms, climates, natural resources, economic activities, and cultural and political patterns.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 301 Geography of the Ozarks**

Physical and cultural geography of the Ozarks. Surveys basic geology, landforms, soils, vegetation and the geography of settlement, population, major economic activities, lifestyles and the cultural landscape. Emphasis on historical development and spatial distributions. Field trip required. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GRY 305 Selected World Regions**

An in-depth study of selected regions of the world. Examples: Tropical Areas, Arid Regions, Polar Regions, Pacific Islands, Australia and New Zealand. Surveys geology, landforms, soil, vegetation, climate, settlement, population, economic activities and the cultural landscape. The course will be devoted to a single region that can vary from semester to semester. Students should check the current registration schedule to determine the topic title for any given semester. Since topics vary, the course may be repeated with permission. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 308 Geography of World Tourism**

A systematic description and analysis of the world's major tourism destination regions with special emphasis on World Heritage sites. Case studies will examine the role local communities play in the sustainable development of sites with special natural and/or cultural value.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GRY 310 Fundamentals of Tourism**

Tourism is analyzed from the academic perspective. This course incorporates concepts, principles, and theories from disciplines such as psychology, economics, and marketing that greatly influence the industry. The course covers the destination, marketing, demand, and transportation. It connects the geographical elements and the impact of tourism, while also analyzing the government regulations that attempt to mitigate negative results.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRY 315 Service Learning in Geography**

*Prerequisite: 30 hours and concurrent enrollment in a Geography course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Geography to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GRY 316 Geography of Global Health and Disease**

An examination of global health and disease patterns from a geographic perspective. Part of the course focuses on disease and the impacts of globalization, economic development, land use, pollution, climate change, and cultural beliefs and practices. The rest of the course examines traditional and western health care systems and the distribution of health care resources. Topics include global pandemics, emerging diseases, health care accessibility, and disease mapping.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRY 318 Geography of the National Parks**

A survey of the U.S. National Park system and national and international protected areas. Topics include natural and cultural heritage, park management, and the role of interpretation in creating a unique sense of place.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 320 Cultural Geography**

Geographic exploration of material and nonmaterial elements of culture, focusing on spatial patterns, regional similarities, unique places, and the changing imprint on the natural landscape. Specific topics include settlement, agriculture, language, religion, foodways, music, sport, and their spatial interrelationships. Discussions and readings will encompass global, national, and local scales.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRY 321 Economic Geography**

*Prerequisite: 30 hours.*

Location, distribution and extent of world economic activity. Topics include resource extraction, agriculture, manufacturing, retailing, and services.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 322 Urban Geography**

With an emphasis on patterns, this course documents the growth of cities, the reasons for that growth, presents models of urban structure, describes transportation systems, residential concentration, and commercial activities. Finally, current urban problems are identified.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRY 323 World Political Geography**

Survey of the field of political geography based on the concept of the State. Major topics include territoriality, the development and decline of the nation-state, frontiers and borderlands, colonialism, historical and contemporary geopolitics, and international environmental laws. Modern political issues dealing with ethnicity, sovereignty, ecology, and energy will be discussed from a geographic perspective. This is an upper-division geography course, and students are encouraged to have completed GRY 100 (World Regional Geography) prior to taking this course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 328 Principles of Geotourism**

*Prerequisite: GRY 308 and GRY 310.*

From landscapes, habitats and species to global events such as the Olympics, the ways in which humans interact, impact and explore the world leave indelible "footprints". The students will be introduced to some of the key concepts and methods used to investigate and make sense of the role, significance and impact of tourism that sustains or enhances the geographical character of a place--its environment, culture, aesthetics, heritage, and the well-being of its residents.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 348 Geomorphology**

*Prerequisite: GRY 142 or GLG 110 or both GLG 171 and GLG 172.*

Geomorphology is the study of the origin, composition, and spatial distribution of surface landforms and their formative processes such as tectonic forces, chemical and physical weathering, and erosion and deposition of by water, wind, and ice. Emphasis is on geomorphic processes and landform development, methods of landform analysis, and environmental management. Case study approach is used to apply geomorphic concepts to understanding environmental hazards and sustainability and the role of humans as geomorphic agents. Field trips required.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GRY 351 Conservation of Natural Resources**

*Prerequisite: 30 hours.*

An examination of the dynamic interplay between physical, economic, social, and political factors affecting the major natural resource issues facing the world today. A presentation of the laws of the natural environment followed by an analysis of conservation issues and problems that occur in response to human use of the natural environment.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GRY 353 Geographic Field Studies**

*Prerequisite: permission.*

Field methods in physical and cultural geography involving the collection and analysis of data. Fields trips required. Graded Pass/Not Pass only. Supplemental course fee. Variable content course; because destinations vary, the course may be repeated to a total of 4 hours. Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GRY 360 Interpretation of Aerial Photography**

*Prerequisite: 30 hours.*

Detection, identification, and analysis of objects or features from film and digital aerial photography and other types of high resolution remotely sensed images. Laboratory emphasizes manual and digital image interpretation for land cover mapping, forestry, agriculture, geology, and planning applications. Field trip is required.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**GRY 363 Introduction to Geographic Information Science**

*Prerequisite: 30 hours.*

Introduction to the foundations of geographic information systems (GIS), digital cartography, global positioning systems (GPS), and remote sensing used in academia, government agencies, and private industries. Topics include maps, data collection, data processing, and data analysis and display.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**GRY 367 Research Methods in Geography and Geospatial Science**

*Prerequisite: MTH 340 or AGR 330 or PSY 200 or QBA 237 or REC 328 or SOC 302.*

Introduces the research process and methods used by geographers, including research design, data collection, sampling methods, data analysis procedures, computer applications and scientific communication. Cannot receive credit for both GRY 367 and PLN 367.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRY 375 Advanced Plane Surveying**

*Prerequisite: GRY 275.*

Office and field techniques used in route surveying including circular, transitional and parabolic curves. Topographic mapping applications, slope stake and earthwork computations. Field astronomy, state plane coordinates, boundary control and USPLS surveys.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GRY 377 Legal Aspects of Boundary Surveying**

*Prerequisite: GRY 375.*

The legal principles of surveying: Missouri surveying law, Boundary Control, and the role of the surveyor within the judicial frame work of the court system.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 379 Surveying Computations**

*Prerequisite: GRY 375.*

Computations in horizontal control networks, projections including Universal Transverse Mercator and State Plane Coordinates, Practical Astronomy, and Global Positioning Systems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 397 Selected Topics in Geography II**

*Prerequisite: permission.*

Course devoted to a single topic that can vary from semester to semester depending upon student and faculty interest. Topics generally require previous training in geography. Examples: Geography of Water Resources, Tornadoes and other Violent Storms. Students should check the current registration schedule to determine the topic title for any given semester. Since credit and topics vary, this course may be repeated, with permission, to a total of 5 hours credit. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 399 Internship in Geography**

*Prerequisite: permission.*

Work experience in geography. Students have periodic conferences with geosciences department faculty and supervisory personnel of the employing business or agency. May be repeated to a maximum of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GRY 410 The Geotourism Industry**

*Prerequisite: GRY 328.*

This course includes the asset theory of tourism, cost-benefit analysis, tax policy impacts, and other economic and statistical aspects of tourism, approached from the elements in the Geotourism perspective. The course will examine research designed to determine economic impacts of the Geotourism industry, and study sustainability issues associated with tourism development. Attention paid to the conflicting agenda of society's various stakeholders and the need to reconcile environmental, economic and sociocultural concerns.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GRY 470 International Field Study in Geography**

*Prerequisite: permission.*

Focuses on a geography issue or issues affecting an international geographic location. Travel to field location outside the United States is required. In order to apply geographic theory to practical settings the collection and analysis of field data is required. Graded Pass/Not Pass only. Variable content course; because destinations vary, the course may be repeated to a total of 4 hours. Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GRY 495 Undergraduate Research in Geography**

*Prerequisite: permission.*

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 6 credit hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 496 Readings in Geography**

*Prerequisite: permission.*

Selected readings and reports on geographical literature. May be repeated to a total of 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**GRY 497 Special Topics in Geography**

*Prerequisite: permission.*

Open to departmental majors and minors. Outstanding students obtain additional experience through guided independent study in geography. May be repeated to a total of 5 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GRY 498 Placement Seminar in Geography, Geospatial Sciences and Planning**

*Prerequisite: 90 hours.*

Readings and discussion of current trends in geography, geospatial sciences, and planning with consideration given to future employment. A senior assessment evaluation is included in this course. Public Affairs Capstone Experience course. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GRY 507 Geography of Subsaharan Africa**

An in-depth geographic study of Africa south of the Sahara Desert. Surveys physical and political geography, climate, tribalism, religion, demography, natural resources, transportation, industry and economic activities of African states South of the Sahara. Students are required to complete one research project. May be taught concurrently with GRY 607. Cannot receive credit for both GRY 607 and GRY 507.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 510 Applications in Sustainable Geotourism**

*Prerequisite: GRY 410.*

This course will explore environmentally and socially responsible tourism strategies and innovations, and provide tools needed by private and public tourism entities to work together. The principles of Geotourism will be applied in a practicum to a local, regional or national community. Students will work as a team and individually to develop a tourism policy and plan based on Geotourism parameters. May be taught concurrently with GRY 610. Cannot receive credit for both GRY 510 and GRY 610.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 525 Environmental Hazards**

*Prerequisite: GRY 142 or both GRY 135 and GLG 110.*

Identification, recognition, and impact of hazards. Physical exposure to hazards and human vulnerability in LDCs and MDCs. Disaster trends and patterns. Behavioral and structural paradigms of hazards. EM-DAT: international disaster database. Statistical methods used in risk assessments. Risk perception, communication, and disaster management. Tectonic, mass movement, atmospheric, hydrological, biophysical, and technological hazards: analysis, preparedness, and mitigation. May be taught concurrently with GRY 625. Cannot receive credit for both GRY 625 and GRY 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 535 Global Climate and Weather Cycles**

*Prerequisite: GRY 135; and MTH 340 or AGR 330 or PSY 200 or QBA 237 or REC 328.*

Energy and mass exchanges. Global atmospheric circulation; surface and upper-air flows. Index cycle: zonal and meridional atmospheric circulations. Teleconnections and atmospheric oscillations: NAO, PNA, PDO, AO, ENSO, and AMO. Interactions between atmospheric oscillations and surface climatic variables in the United States and around the world. Weather cycles, natural climatic variability and climate change. Drought indices. Spatial and temporal statistical domains used in climatic data analysis. May be taught concurrently with GRY 635. Cannot receive credit for both GRY 635 and GRY 535.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 545 Global Environmental Change**

Energy and mass fluxes and storages in the interlinked physical components of the ecosphere. Chemistry of the global atmosphere. Role of the oceans and thermohaline circulation. Land use and land cover influences on terrestrial ecosystems. Concepts of environmental cycles, thresholds, resilience, recovery and response times. Understanding past environmental changes. Causes, mechanisms and likely impacts of natural and anthropogenically-induced changes on the global environment. Predictive models on global environmental change. May be taught concurrently with GRY 645. Cannot receive credit for both GRY 545 and GRY 645.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GRY 550 Fluvial Geomorphology**

Study of the formation, composition, distribution of fluvial landforms. Emphasis is on channel hydrology, quantification of geomorphic relationships, reach and watershed-scale processes, sediment transport, water and sediment contamination, and management applications to streams in the Ozarks Region as well as other places. Field work may be required. May be taught concurrently with GRY 650. Cannot receive credit for both GRY 550 and GRY 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 596 Topical Issues in Education**

*Prerequisite: permission.*

Selected topics in geography and earth science to upgrade understandings and skills in improvement of elementary or secondary teaching. Each course is concerned with a single topic or subject matter area. Number of class hours determined by semester hours of credit. May be repeated to a total of 5 hours credit. Variable content course. May be taught concurrently with GRY 696. Cannot receive credit for both GRY 696 and GRY 596.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 597 Special Topics in Geography**

*Prerequisite: permission.*

Selected topics in geography. Special topics will be included in the class schedule for each term. Field trips may be required. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 6 hours credit. Variable content course. May be taught concurrently with GRY 697. Cannot receive credit for both GRY 697 and GRY 597.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 599 Research in Geography**

*Prerequisite: permission.*

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 6 credit hours. May be taught concurrently with GRY 698. Cannot receive credit for both GRY 698 and GRY 599.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GRY 607 Geography of Subsaharan Africa**

An in-depth geographic study of Africa south of the Sahara Desert. Surveys physical and political geography, climate, tribalism, religion, demography, natural resources, transportation, industry and economic activities of African states South of the Sahara. Students are required to complete two research projects. May be taught concurrently with GRY 507. Cannot receive credit for both GRY 507 and GRY 607.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 610 Applications in Sustainable Geotourism**

Recommended Prerequisite: GRY 410. This course will explore environmentally and socially responsible tourism strategies and innovations, and provide tools needed by private and public tourism entities to work together. The principles of Geotourism will be applied in a practicum to a local, regional or national community. Students will work as a team and individually to develop a tourism policy and plan based on Geotourism parameters. May be taught concurrently with GRY 510. Cannot receive credit for both GRY 610 and GRY 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 625 Environmental Hazards**

Recommended Prerequisite: GRY 142; or both GRY 135 and GLG 110. Identification, recognition, and impact of hazards. Physical exposure to hazards and human vulnerability in LDCs and MDCs. Disaster trends and patterns. Behavioral and structural paradigms of hazards. EM-DAT: international disaster database. Statistical methods used in risk assessments. Risk perception, communication, and disaster management. Tectonic, mass movement, atmospheric, hydrological, biophysical, and technological hazards: analysis, preparedness, and mitigation. May be taught concurrently with GRY 525. Cannot receive credit for both GRY 525 and GRY 625.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 635 Global Climate and Weather Cycles**

Recommended Prerequisite: GRY 135; and MTH 340 or AGR 330 or ECO 308 or PSY 200 or QBA 237 or REC 328 or SOC 302. Energy and mass exchanges. Global atmospheric circulation; surface and upper-air flows. Index cycle: zonal and meridional atmospheric circulations. Teleconnections and atmospheric oscillations: NAO, PNA, PDO, AO, ENSO, and AMO. Interactions between atmospheric oscillations and surface climatic variables in the United States and around the world. Weather cycles, natural climatic variability and climate change. Drought indices. Spatial and temporal statistical domains used in climatic data analysis. May be taught concurrently with GRY 535. Cannot receive credit for both GRY 535 and GRY 635.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 645 Global Environmental Change**

Recommended Prerequisite: GRY 142 or both GRY 135 and GLG 110. Energy and mass fluxes and storages in the interlinked physical components of the ecosphere. Chemistry of the global atmosphere. Role of the oceans and thermohaline circulation. Land use and land cover influences on terrestrial ecosystems. Concepts of environmental cycles, thresholds, resilience, recovery and response times. Understanding past environmental changes. Causes, mechanisms and likely impacts of natural and anthropogenically-induced changes on the global environment. Predictive models on global environmental change. May be taught concurrently with GRY 545. Cannot receive credit for both GRY 545 and GRY 645.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GRY 650 Fluvial Geomorphology**

Study of the formation, composition, distribution of fluvial landforms. Emphasis is on channel hydrology, quantification of geomorphic relationships, reach and watershed-scale processes, sediment transport, water and sediment contamination, and management applications to streams in the Ozarks Region as well as other places. Field work may be required. May be taught concurrently with GRY 550. Cannot receive credit for both GRY 550 and GRY 650.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GRY 696 Topical Issues in Education**

*Prerequisite: permission.*

Selected topics in geography and earth science to upgrade understandings and skills in improvement of elementary or secondary teaching. Each course is concerned with a single topic or subject matter area. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a total of 5 hours credit. May be taught concurrently with GRY 596. Cannot receive credit for both GRY 596 and GRY 696.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 697 Special Topics in Geography**

*Prerequisite: permission.*

Selected topics in geography. Special topics will be included in the class schedule for each term. Field trips may be required. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a maximum of 6 hours credit. May be taught concurrently with GRY 597. Cannot receive credit for both GRY 597 and GRY 697.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 698 Research in Geography**

*Prerequisite: permission.*

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 6 credit hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GRY 700 Cultural Geography for Secondary Teachers I**

Population and the spatial imprint of man on the landscape in terms of settlement, economic activities, institutions; methods and materials of the high school geography project; other current curriculum materials.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GRY 703 Cultural Geography for Secondary Teachers II**

*Prerequisite: GRY 700.*

Continuation of GRY 700. Contemporary problems in land use, urbanization and planning for optimum use of resources; methods and materials of the high school geography project; other current curriculum materials.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GRY 730 Weather Elements for Secondary Teachers**

Physical processes of the earth's atmosphere, use of weather instruments and interpretation of weather maps. Applied aspects of weather and climate and their effects on man's activities. Emphasis on current curriculum materials for secondary schools.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 731 Environmental Assessment**

The procedures and processes of environmental assessment. Soils, hydrology, climate, biogeography and geomorphology will be examined in an environmental assessment context. Environmental assessment is a prerequisite for satisfying the National Environmental Policy Act (NEPA) requirements.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GRY 740 Selected Topics in Earth Science**

*Prerequisite: permission of instructor.*

Students cooperatively select from general subject areas in earth science more specific areas to explore. Topics are studied consecutively during the semester. Subject areas from which the topic selections will be made are included in the class schedule for each term the course is offered. Variable content course. Since topics vary, the course may be repeated for a total of 6 hours. Identical with GLG 765. Cannot receive credit for more than 6 hours of GRY 740 and GLG 765.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 748 Physiography and Resource Conservation**

Landforms, economic minerals, soils, climate, water resources and closely related aspects of the natural environment as they relate to man's inhabitation and use of the earth; map reading and simple map construction; methods and materials for secondary schools.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GRY 751 Topics in Advanced Physical Geography**

Critical review of recent advances and trends in applied and/or theoretical physical geography. Course will involve the study of seminal and recent journal articles and presentation of a research paper. Course content may vary among the subfields of physical geography including geomorphology, hydrology, water resources, soil geography climatology, and biogeography. Field trips may be required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GRY 779 Research in Geography**

*Prerequisite: permission.*

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 3 credit hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GRY 799 Thesis**

*Prerequisite: permission.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

## Geology (GLG) courses

**GLG 110 Principles of Geology**

*General Education Course (Focus on Physical Sciences).*

How Earth works. The building blocks of Earth: minerals and rocks. Earth's dynamic interior: plate tectonics, earthquakes, volcanism, and mountain building. Surface processes associated with streams, ground water, glaciers, wind, and shorelines. Laboratory instruction in identification of common minerals and rocks, the use of topographic maps, and landform identification from topographic maps. Optional weekend field trips. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**GLG 115 Life of the Past**

*General Education Course (Focus on Life Sciences).*

Addresses the origin, evolution, and extinction of life forms within the 3.5 billion year history of life on earth. Topics of discussion will include the basic principles of evolution, stratigraphy, and plate tectonics. Optional fossil collecting field trip.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GLG 171 Environmental Geology**

*General Education Course (Focus on Physical Sciences).*

Treats those aspects of geology that interface directly with humanity. Key concepts of Earth processes and how they relate to geologic hazards, mineral and energy resources, and sustainability. Human dependence on geologic resources is examined and related to issues confronting society. Optional field trips.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GLG 172 Physical Geology Laboratory**

*Prerequisite: permission.*

Laboratory instruction in identification and classification of common minerals and rocks; introduction to the identification of landforms as interpreted from topographic maps. This course number allows students who have already had GLG 171 to take a laboratory section of GLG 110 as a stand-alone one credit course. GLG 171 plus GLG 172 will substitute for GLG 110 in the requirements for all geology programs and in the prerequisites for all upper division geology courses.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**GLG 197 Popular Topics in Geology**

Course devoted to a single topic that can vary from semester to semester depending on student and faculty interest. Topics are limited to those requiring no prior geology background. Examples: Earthquakes and Volcanoes, Rocks and Minerals, Caves and Karst, etc. Students should check the current registration schedule to determine the topic title for any given semester. Variable content course. Because topics vary, this course may be repeated, with permission of the instructor to a total of 10 credits. Cannot be counted toward any major or minor in Geology.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 314 Historical Geology**

*Prerequisite: GLG 110 or both GLG 171 and GLG 172.*

Geological history of the earth with emphasis on North America; origin and evolution of animal and plant life on earth. One Saturday field trip required.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 3

**Typically offered:** Fall
Projected offerings

**GLG 318 Physical Oceanography**

*Prerequisite: GLG 110 or both GLG 171 and GLG 172.*

A comprehensive study of the physical ocean; including the origin and nature of tides, waves, and ocean currents; marine geology, resources and pollution.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GLG 326 Marine Science I: Oceanography**

*Prerequisite: MTH 135 and CHM 160 and CHM 170 and CHM 171 and BIO 101 and 111.*

Integrates physical, chemical, biological, and geological oceanography to provide a multidisciplinary approach to the fundamentals of oceanography. (Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi).

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**GLG 327 Marine Science I: Oceanography Lab**

*Prerequisite: concurrent enrollment in GLG 326.*

Laboratory portion of GLG 326. Field and laboratory activities. (Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi).

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Summer
Projected offerings

**GLG 330 Service Learning in Geology**

*Prerequisite: 30 hours and permission and concurrent registration in a Geology course designated as a service geology offering.*

This service component for an existing course incorporates community service with classroom instruction in geology to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignment will vary depending on the specific course topic and learning objectives; students should investigate possible placements, available through the Department of Geography, Geology and Planning and the Office of Citizenship and Service Learning prior to registration. May be repeated. Graded Pass/Not Pass only.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GLG 332 Mineralogy**

*Prerequisite: GLG 110 or both GLG 171 and GLG 172; and CHM 160; and MTH 135 or MTH 138 or MTH 261 or MTH 287.*

Origin, classification, description, and identification of ore minerals and rock-forming minerals.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**GLG 333 Igneous and Metamorphic Petrology**

*Prerequisite: GLG 332.*

Origin, classification, and identification of common igneous and metamorphic rocks. A grade of "C" or better is required in this course in order to take GLG 413. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GLG 334 Sedimentary Geology**

Prerequisite; GLG 314 and GLG 332. Principles underlying the production, weathering and deposition of sediments; environmental control of lithofacies and biofacies; recognition of ancient depositional environments by key indicators and modern analogs.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GLG 340 Structural Geology**

*Prerequisite: GLG 314 and GLG 333 and GLG 334 or concurrent enrollment; and either MTH 138 or MTH 181.*

Recommended Prerequisite: PHY 123 or PHY 203. Elementary theory of stress and strain, rock behavior, continuous structures, fracture theory, discontinuous structures and kinematics of plate motion. Field trips required. A grade of "C" or better is required in this course in order to take GLG 413. Cannot be taken Pass/Not Pass.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**GLG 350 Speleology**

*Prerequisite: GLG 110 or GLG 171.*

Caves, karst and cavernous terrain, their origin, geologic environment and evolution. Field trips and field research required.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GLG 355 Volcanology**

*Prerequisite: GLG 110 or GLG 171 and GLG 172.*

Systematic discussion of volcanic phenomena, including types of eruptions, generation and emplacement of magmas, products of volcanism, volcanic impact on humans, and the monitoring and forecasting of volcanic events. Case studies of individual volcanoes illustrate principles of volcanology, with a particular emphasis on Hawaiian, Andean, Icelandic and Cascade volcanism.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**GLG 358 Writing II: Reporting Geological Information**

*Prerequisite: ENG 110 or equivalent, and 30 hours, and GLG 314; and either GLG 318 or GLG 332.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

Techniques and strategies for locating and accessing technical geological information. Preparation of technical reports and presentations on geologic topics with emphasis on the styles and formats of the Geological Society of America and the United States Geological Survey. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**GLG 360 Directed Field Trips**

*Prerequisite: GLG 110 or both GLG 171 and GLG 172, and permission.*

Geologic field trips to areas of special interest. Because credit hours and destinations vary, the course may be repeated to a total of 8 hours. However, no more than 4 hours may count toward any Geology major. Variable content course. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 397 Selected Topics in Geology**

*Prerequisite: permission.*

Course devoted to a single topic which may vary from semester to semester depending upon student and faculty interest. Since credit and topics vary, this course may be repeated, with permission, to a total of 5 hours credit. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 399 Internship in Geology**

*Prerequisite: permission.*

Work experience in geology. Students have periodic conferences with geology faculty and supervisory personnel of the employing business or agency. May be repeated to a maximum of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GLG 412 Field Geology of the Midcontinent Region**

*Prerequisite: GLG 314; and either GLG 318 or GLG 333 or concurrent enrollment.*

Regional geology of the Midcontinent including the Ozark, Wichita, Arbuckle, Ouachita and Boston Mountains, and associated basins. Introduction to geologic field methods including the use of aerial photograph and geologic maps, cross-sections, and block diagrams in the interpretation of regional geologic history. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GLG 413 Field Geology**

*Prerequisite: GLG 314; and a grade of "C" or better in both GLG 333 and GLG 340.*

Use of brunton compass, jacob staff, and tape in field methods; aerial photographs and topographic maps in mapping sedimentary, igneous, and metamorphic rocks; demonstration of lithostratigraphic succession and correlation in the field; preparation of geological reports from field data. Taught at off campus field station.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**GLG 415 Invertebrate Paleontology**

*Prerequisite: GLG 314.*

Morphology and taxonomy of invertebrate fossils.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GLG 498 Seminar in Geology**

*Prerequisite: permission.*

Lectures and discussions of topics in geology. May be repeated for 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GLG 499 Research in Geology**

*Prerequisite: permission.*

Outstanding student obtains enrichment through guided, but independent, original research in geology and geology related subject areas. May be repeated at the discretion of the geology staff to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**GLG 523 Coastal Marine Geology**

*Prerequisite: 6 hours of geology; and concurrent enrollment in GLG 524.*

A study of inshore and nearshore geologic processes, sedimentation patterns and landform development. Concurrent enrollment in GLG 524 required. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 623. Cannot receive credit for both GLG 623 and GLG 523.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**GLG 524 Coastal Marine Geology Lab**

*Prerequisite: concurrent enrollment in GLG 523.*

Laboratory portion of GLG 523. Field and laboratory activities. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 624. Cannot receive credit for both GLG 624 and GLG 524.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**GLG 530 Optical Mineralogy**

*Prerequisite: GLG 333.*

Essentials of optical crystallography; the use of the petrographic microscope in the identification of rock-forming minerals, both in oil-immersion grain mounts and in thin sections. May be taught concurrently with GLG 630. Cannot receive credit for both GLG 630 and GLG 530.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GLG 540 X-Ray Mineralogy**

*Prerequisite: GLG 332.*

Principles and techniques of x-ray mineralogy; the use of x-ray powder diffraction in the identification and characterization of minerals and related crystalline phases. May be taught concurrently with GLG 640. Cannot receive credit for both GLG 640 and GLG 540.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GLG 547 Water Resources**

*Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135.*

An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with BIO 547. Cannot receive credit for both GLG 547 and BIO 547. May be taught concurrently with GLG 647. Cannot receive credit for both GLG 547 and GLG 647.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GLG 570 Principles of Stratigraphy**

*Prerequisite: GLG 314 and GLG 334.*

Principles and procedures applied to the study of sedimentary successions; astronomical forcing, cyclicity, eustasy, and tectonic controls on stratification and basin evolution; application of the Stratigraphic Code, practical field methods, observations and interpretation of depositional environments, and sequence stratigraphic interpretations; field trips required. May be taught concurrently with GLG 670. Cannot receive credit for both GLG 670 and GLG 570.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GLG 572 Geohydrology**

*Prerequisite: GLG 314; and either MTH 261 or MTH 287.*

Aquifer properties; elementary theory of groundwater flow through a porous medium; well and aquifer relationships. Laboratories include ground-water case studies and Hydrologic Investigation Atlas interpretations. Taught concurrently with GLG 672. Cannot receive credit for both GLG 572 and GLG 672.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GLG 573 Engineering Geology**

*Prerequisite: GLG 333 and either MTH 261 or MTH 287.*

Engineering properties of rocks and soils; fundamentals of engineering geology field investigations; application of properties and fundamentals to engineering problems concerning slope stability, groundwater, industrial contamination, urban public works, and karst areas. Laboratories include engineering classification of soils, hydraulic conductivity testing, and public works design and management. Field trip to observe engineering problems of karst required. May be taught concurrently with GLG 673. Cannot receive credit for both GLG 573 and GLG 673.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**GLG 574 Petroleum Geology**

*Prerequisite: GLG 314.*

Recommended Prerequisite: GLG 333 and GLG 570. Origin of hydrocarbons in sedimentary successions; petroleum systems, sequence stratigraphic concepts; basin analysis; petroleum exploration techniques, including well log and seismic interpretation; techniques for resource exploitation and an introduction to petroleum production. May be taught concurrently with GLG 674. Cannot receive credit for both GLG 574 and GLG 674.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GLG 580 Geochemistry**

*Prerequisite: GLG 332.*

Topics include the dominant chemical reactions in natural waters, equilibrium conditions between mineral precipitation and dissolution, and characteristics of contaminated groundwater. Field trips required. Taught concurrently with GLG 680. Cannot receive credit for both GLG 580 and GLG 680.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GLG 581 Geochemical Techniques**

*Prerequisite: GLG 332.*

Geochemical techniques and procedures used in ore exploration, point and nonpoint contamination and other environmental studies. Analyses of trace elements in rocks, soils, plants and waters using inductively coupled plasma methods. Also use of GPS to locate sample sites and ArcView to prepare maps. Field trips required. May be taught concurrently with GLG 681. Cannot receive credit for both GLG 681 and GLG 581.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**GLG 590 Applied Geophysics**

*Prerequisite: either PHY 124 or PHY 204; and either MTH 280 or MTH 288.*

Recommended Prerequisite: GLG 340. Application of geophysical methods in solving geologic problems. Techniques covered include seismic refraction and reflection, gravity, magnetics, direct current and electromagnetic resistivity. Field trips required. May be taught concurrently with GLG 690. Cannot receive credit for both GLG 690 and GLG 590.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GLG 591 Seismic Data Processing**

*Prerequisite: GLG 340 (or permission); and either PHY 124 or PHY 204 or concurrent enrollment in either; and either MTH 280 or MTH 288 or concurrent enrollment in either.*

The basic techniques to process seismic reflection data as used by for tectonic, oil, environmental and mining applications. Techniques include deconvolution, filtering, migration, stacking, normal moveout corrections. Basic seismic reflection interpretation will be addressed. This is a computer based class. May be taught concurrently with GLG 691. Cannot receive credit for both GLG 591 and GLG 691.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**GLG 597 Selected Topics in Geology**

*Prerequisite: permission.*

Detailed treatment of various advanced topics in geology which may vary from year to year. Some typical topics: geologic instrumentation, selenology, sedimentology, and crystallography. Since credit and topics vary, the course may be repeated for a total of 6 hours. Variable content course. May be taught concurrently with GLG 697. Cannot receive credit for both GLG 697 and GLG 597.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 623 Coastal Marine Geology**

*Prerequisite: permission; and concurrent enrollment in GLG 624.*

A study of inshore and nearshore geologic processes, sedimentation patterns and landform development. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 523. Cannot receive credit for both GLG 523 and GLG 623.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**GLG 624 Coastal Marine Geology Lab**

*Prerequisite: concurrent enrollment in GLG 623.*

Laboratory portion of GLG 623. Field and laboratory activities. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 524. Cannot receive credit for both GLG 524 and GLG 624.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Summer
Projected offerings

**GLG 630 Optical Mineralogy**

Recommended Prerequisite: GLG 333. Essentials of optical crystallography; the use of the petrographic microscope in the identification of rock-forming minerals, both in oil-immersion grain mounts and in thin sections. May be taught concurrently with GLG 530. Cannot receive credit for both GLG 530 and GLG 630.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GLG 640 X-Ray Mineralogy**

Recommended Prerequisite: GLG 332. Principles and techniques of x-ray mineralogy; the use of x-ray powder diffraction in the identification and characterization of minerals and related crystalline phases. May be taught concurrently with GLG 540. Cannot receive credit for both GLG 540 and GLG 640.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GLG 647 Water Resources**

Recommended Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135. An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with BIO 647. Cannot receive credit for both GLG 647 and BIO 647. May be taught concurrently with GLG 547. Cannot receive credit for both GLG 647 and GLG 547.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GLG 670 Principles of Stratigraphy**

Recommended Prerequisite: GLG 314 and GLG 334. Principles and procedures applied to the study of sedimentary successions; astronomical forcing, cyclicity, eustasy, and tectonic controls on stratification and basin evolution; application of the Stratigraphic Code, practical field methods, observations and interpretation of depositional environments, and sequence stratigraphic interpretations; field trips required. May be taught concurrently with GLG 570. Cannot receive credit for both GLG 570 and GLG 670.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GLG 672 Geohydrology**

Recommended Prerequisite: GLG 314; and either MTH 261 or MTH 287. Aquifer properties; elementary theory of groundwater flow through a porous medium; well and aquifer relationships. Laboratories include ground-water case studies and Hydrologic Investigation Atlas interpretations. Field trips required. Taught concurrently with GLG 572. Cannot receive credit for both GLG 572 and GLG 672.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GLG 673 Engineering Geology**

Recommended Prerequisite: GLG 333. Engineering properties of rocks and soils; fundamentals of engineering geology field investigations; application of properties and fundamentals to engineering problems concerning slope stability, groundwater, industrial contamination, urban public works, and karst areas. Laboratories include engineering classification of soils, hydraulic conductivity testing, and public works design and management. Field trip to observe engineering problems of karst required. May be taught concurrently with GLG 573. Cannot receive credit for both GLG 673 and GLG 573.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**GLG 674 Petroleum Geology**

Recommended Prerequisite: GLG 314 and GLG 333 and GLG 570. Origin of hydrocarbons in sedimentary successions; petroleum systems, sequence stratigraphic concepts; basin analysis; petroleum exploration techniques, including well log and seismic interpretation; techniques for resource exploitation and an introduction to petroleum production. May be taught concurrently with GLG 574. Cannot receive credit for both GLG 674 and GLG 574.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GLG 680 Geochemistry**

Recommended Prerequisite: GLG 332. Topics include the dominant chemical reactions in natural waters, equilibrium conditions between mineral precipitation and dissolution, and characteristics of contaminated groundwater. Field trips required. Taught concurrently with GLG 580. Cannot receive credit for both GLG 580 and GLG 680.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GLG 681 Geochemical Techniques**

Recommended Prerequisite: GLG 332. Geochemical techniques and procedures used in ore exploration, point and nonpoint contamination and other environmental studies. Analyses of trace elements in rocks, soils, plants and waters using inductively coupled plasma methods. Also use of GPS to locate sample sites and ArcView to prepare maps. Field trips required. May be taught concurrently with GLG 581. Cannot receive credit for both GLG 581 and GLG 681.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**GLG 690 Applied Geophysics**

Recommended Prerequisite: GLG 340; and either PHY 124 or PHY 204; and either MTH 280 or MTH 288. Application of geophysical methods in solving geologic problems. Techniques covered include seismic refraction and reflection, gravity, magnetics, direct current and electromagnetic resistivity. Field trips required. May be taught concurrently with GLG 590. Cannot receive credit for both GLG 590 and GLG 690.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GLG 691 Seismic Data Processing**

*Prerequisite: GLG 340 (or permission); and either PHY 124 or PHY 204 or concurrent enrollment in either; and either MTH 280 or MTH 288 or concurrent enrollment in either.*

The basic techniques to process seismic reflection data as used by for tectonic, oil, environmental and mining applications. Techniques include deconvolution, filtering, migration, stacking, normal moveout corrections. Basic seismic reflection interpretation will be addressed. This is a computer based class. May be taught concurrently with GLG 591. Cannot receive credit for both GLG 691 and GLG 591.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)
Projected offerings

**GLG 697 Selected Topics in Geology**

*Prerequisite: permission.*

Detailed treatment of various advanced topics in geology which may vary from year to year. Some typical topics: geologic instrumentation, selenology, sedimentology, and crystallography. Variable content course. May be repeated for a total of 6 hours. May be taught concurrently with GLG 597. Cannot receive credit for both GLG 597 and GLG 697.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 701 Geology for Secondary Teachers I**

*Prerequisite: permission.*

Earth materials, geological processes, geological history and the geological environments.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GLG 702 Geology for Secondary Teachers II**

*Prerequisite: GLG 701.*

Continuation of GLG 701.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**GLG 713 Field Geology for Secondary Teachers**

*Prerequisite: permission.*

Field work; identification and correlation of rock units; determination of depositional environments from fossils and other indicators. Students are required to make a collection of specimens from rock formations in the study area. May be repeated to a total of 6 hours when destination varies. Supplemental course fee.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 715 Isotope Geochemistry**

Topics include the application of radiogenic, radioactive and stable isotopes to the processes and timescales relevant to the formation of the planet and solar system, the evolution of the Earth system and interactions in the hydrosphere and biosphere. Course consists of lecture and seminar section, where students are exposed to these applications and discuss relevant papers from the literature. A semester long project using geochronology and isotope geochemistry data is required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**GLG 751 Seminar in Geology**

*Prerequisite: permission.*

Preparation of an extensive paper on selected topics to be read before staff seminars.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**GLG 765 Selected Topics in Earth Science**

*Prerequisite: permission.*

Students cooperatively select from general subject areas in earth science more specific areas to explore. Topics are studied consecutively during the semester. Subject areas from which the topic selections are made are included in the class schedule for each term the course is offered. Variable content course. Since topics vary, the course may be repeated for a total of 6 hours. Identical with GRY 740. Cannot receive credit for more than 6 hours of GLG 755 and GRY 740 combined.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 779 Research/Geological Sciences**

*Prerequisite: permission.*

Original research supervised by the geology staff, involving special areas of the geological sciences. May be repeated to a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GLG 782 Contaminant Hydrology**

Recommended Prerequisite: undergraduate background in both geology and chemistry. Geochemical principles applied to solve environmental problems effecting surface water and groundwater. Case studies in groundwater geochemistry, medical geology, and mining geology. Geostatistics (ArcGIS, SPSS) and geochemical modeling (MINTEQ) tools used.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**GLG 794 Global Tectonics**

Recommended Prerequisite: GLG 314. The fundamental basis of plate tectonics. Topics covered include geophysical methods, plate motion theory, fundamental properties of plate boundaries, formation of sedimentary basins and orogenic belts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**GLG 796 Science Internship**

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**GLG 799 Thesis**

*Prerequisite: permission.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Geospatial Sciences (GEO) courses

**GEO 200 Exploring Our Digital Earth**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

An exploration of the geospatial technologies related to digital Earth with a focus on their applications in our current world. Topics include geospatial data, digital mapping, geographic information systems (GIS), global positioning systems (GPS), and remote sensing. This course uses a wide range of geospatial technology software freely available on the Internet, and provides an introduction to geospatial technologies as critical thinking and inquiry tools.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GEO 551 Remote Sensing**

*Prerequisite: GRY 360.*

Introduction to environmental studies through the application of remotely sensed imagery and geospatial technologies. The course covers principles of remote sensing, interactions of electromagnetic energy with the atmosphere and earth's surface, satellite systems and sensors (electro-optical, thermal, radar and LiDAR). Emphasis is placed on regional and global monitoring, land cover mapping, forestry, agriculture, geology, planning and oceanography. Laboratory emphasizes interpretation of remotely sensed imagery and introduction to digital image processing including enhancements, corrections and classification routines. May be taught concurrently with GEO 651. Cannot receive credit for both GEO 651 and GEO 551.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GEO 561 Intermediate Geographic Information Science**

*Prerequisite: GRY 363.*

Principles and applications of Geographic Information Systems (GIS) software. Examines the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, visualization and output. May be taught concurrently with GEO 661. Cannot receive credit for both GEO 661 and GEO 561.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GEO 562 Internet Geospatial Science**

*Prerequisite: GEO 561.*

Basic understanding of the contemporary standards for using the Internet to distribute and utilize geospatial data. Students will set up and maintain a WebGIS server, design maps, and publish maps to the WebGIS server. A major part of the course will examine the development of WebGIS applications that utilize the published WebGIS services. May be taught concurrently with GEO 662. Cannot receive credit for both GEO 662 and GEO 562.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 566 Advanced Geographic Information Science**

*Prerequisite: GEO 561.*

A theoretical and practical examination of analytical methods used in GIS, including point pattern/clustering analysis, global and local spatial autocorrelation, analysis of fields, spatial interpolation, map overlay and cartographic modeling, and new approaches to spatial analysis. May be taught concurrently with GEO 666. Cannot receive credit for both GEO 666 and GEO 566.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 568 Thematic Cartography**

*Prerequisite: GEO 561.*

Theoretical and applied aspects of map design in thematic mapping, animated mapping, interactive and web mapping. Emphasis will be applying computer-assisted mapping techniques of the problems of effective and efficient communication of spatial data. Field trip is required. May be taught concurrently with GEO 668. Cannot receive credit for both GEO 568 and GEO 668.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 572 Introduction to Photogrammetry and LiDAR Technology**

Recommended Prerequisite: GRY 360. Course covers basic concepts of photogrammetry and LiDAR techniques such as stereo feature extraction, orthophoto, LiDAR point cloud visualization and DEM/DTM generation. Laboratory emphasizes geospatial stereo feature extraction using digital photogrammetry software, ArcGIS and Matlab toolboxes. May be taught concurrently with GEO 572. Cannot receive credit for both GEO 572 and GEO 672.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GEO 573 Geographic Information Science Programming**

*Prerequisite: GEO 561; and either CIS 202 or CSC 121 or CSC 125.*

Course devoted to theories and processes of analytical and automated Geographic Information Science (GIS). Principal topics covered are spatial programming, geographic data storage, computer map rendering, application customization and automation and human interface development of GIS. Advanced GIS and programming skills for professional development are emphasized. May be taught concurrently with GEO 673. Cannot receive credit for both GEO 673 and GEO 573.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 575 GPS Surveying and Mapping**

*Prerequisite: 30 hours.*

Theory and operation of global positioning systems (GPS) hardware and software. Including mission planning, measurement of point, line and area features, differential correction techniques and waypoint navigation. Field exercises required. May be taught concurrently with GEO 675. Cannot receive credit for both GEO 675 and GEO 575.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GEO 578 Remote Sensing Digital Image Processing**

*Prerequisite: GEO 551 or GEO 566 or GEO 572.*

Advanced application of remote sensing digital image processing in areas of interest such as land use/land cover mapping, agriculture, forestry, resource planning and geology. Course covers image visualization, image correction, classification algorithms and change detection methods. Laboratory emphasizes advanced image processing techniques using ENVI software. May be taught concurrently with GEO 678. Cannot receive credit for both GEO 678 and GEO 578.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 651 Remote Sensing**

Recommended Prerequisite: GRY 360. Introduction to environmental studies through the application of remotely sensed imagery and geospatial technologies. The course covers principles of remote sensing, interactions of electromagnetic energy with the atmosphere and earth's surface, satellite systems and sensors (electro-optical, thermal, radar and LiDAR). Emphasis is placed on regional and global monitoring, land cover mapping, forestry, agriculture, geology, planning and oceanography. Laboratory emphasizes interpretation of remotely sensed imagery and introduction to digital image processing including enhancements, corrections and classification routines. May be taught concurrently with GEO 551. Cannot receive credit for both GEO 551 and GEO 651.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GEO 661 Intermediate Geographic Information Science**

Recommended Prerequisite: GRY 363. Principles and applications of Geographic Information Systems (GIS) software. Examines the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, visualization and output. May be taught concurrently with GEO 561. Cannot receive credit for both GEO 561 and GEO 661.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GEO 662 Internet Geospatial Science**

Recommended Prerequisite: GEO 561 or GEO 661. Basic understanding of the contemporary standards for using the Internet to distribute and utilize geospatial data. Students will set up and maintain a WebGIS server, design maps, and publish maps to the WebGIS server. A major part of the course will examine the development of WebGIS applications that utilize the published WebGIS services. May be taught concurrently with GEO 562. Cannot receive credit for both GEO 562 and GEO 662.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 666 Advanced Geographic Information Science**

Recommended Prerequisite: GEO 561 or GEO 661. A theoretical and practical examination of analytical methods used in GIS, including point pattern/clustering analysis, global and local spatial autocorrelation, analysis of fields, spatial interpolation, map overlay and cartographic modeling, and new approaches to spatial analysis. May be taught concurrently with GEO 566. Cannot receive credit for both GEO 566 and GEO 666.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 668 Thematic Cartography**

Recommended Prerequisite: GEO 561 or GEO 661. Theoretical and applied aspects of map design in thematic mapping, animated mapping, interactive and web mapping. Emphasis will be applying computer-assisted mapping techniques of the problems of effective and efficient communication of spatial data. Field trip is required. May be taught concurrently with GEO 568. Cannot receive credit for both GEO 668 and GEO 568.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 672 Introduction to Photogrammetry and LiDAR Technology**

Recommended Prerequisite: GRY 360. Course covers basic concepts of photogrammetry and LiDAR techniques such as stereo feature extraction, orthophoto, LiDAR point cloud visualization and DEM/DTM generation. Laboratory emphasizes geospatial stereo feature extraction using digital photogrammetry software, ArcGIS and Matlab toolboxes. May be taught concurrently with GEO 572. Cannot receive credit for both GEO 572 and GEO 672.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GEO 673 Geographic Information Science Programming**

Recommended Prerequisite: GEO 561 or GEO 661, and either CIS 202 or CSC 121 or CSC 125. Course devoted to theories and processes of analytical and automated Geographic Information Science (GIS). Principal topics covered are spatial programming, geographic data storage, computer map rendering, application customization and automation and human interface development of GIS. Advanced GIS and programming skills for professional development are emphasized. May be taught concurrently with GEO 573. Cannot receive credit for both GEO 573 and GEO 673.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 675 GPS Surveying and Mapping**

Theory and operation of global positioning systems (GPS) hardware and software. Including mission planning, measurement of point, line and area features, differential correction techniques and waypoint navigation. Field exercises required. May be taught concurrently with GEO 575. Cannot receive credit for both GEO 575 and GEO 675.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**GEO 678 Remote Sensing Digital Image Processing**

*Prerequisite: GEO 551 or GEO 651 or GEO 566 or GEO 666 or GEO 572 or GEO 672.*

Advanced application of remote sensing digital image processing in areas of interest such as land use/land cover mapping, agriculture, forestry, resource planning and geology. Course covers image visualization, image correction, classification algorithms and change detection methods. Laboratory emphasizes advanced image processing techniques using ENVI software. May be taught concurrently with GEO 578. Cannot receive credit for both GEO 578 and GEO 678.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**GEO 700 Introduction to Graduate Study in Geography, Geology and Planning**

This course serves as a foundation for students pursing a graduate degree in the Department of Geography, Geology and Planning. First-semester graduate students are introduced to the research interests of the department's faculty, are guided in effective strategies for conducting a literature search and are mentored in the effective development of a research proposal.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**GEO 701 Graduate Research Methods in Geography, Geology and Planning**

*Prerequisite: GEO 700.*

Methods of collecting, organization, and analyzing data pertinent to graduate study in geography, geology and planning. Emphasis will be on the application of univariate and multivariate statistical techniques and other quantitative techniques pertinent to mathematically and statistically modeling problems in geography, geology and planning.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**GEO 755 Applications of Digital Cartography, Analytical Photogrammetry, and Remote Sensing**

*Prerequisite: permission.*

Advanced application of aerial photography and digital imagery, analytical photogrammetry, remote sensing, digital cartography and other geospatial technologies in areas of interest such as land use/land cover mapping, landscape ecology, agriculture, forestry, resource planning, geology, and soils. Since credit and topics vary, the course may be repeated for a maximum of 7 hours with permission.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**GEO 770 Advanced Field and Laboratory Methods**

Advanced training in laboratory and field methods in geography and geology. Topics will vary due to faculty expertise or student interest. Examples include watershed monitoring techniques, geochemical techniques, and field studies in remote areas. Field trips are required.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**GEO 780 Research Paper in Geospatial Sciences**

*Prerequisite: permission.*

Extensive research paper on selected topic to be presented orally at a departmental seminar or professional meeting. Exclusively used to satisfy requirements for non-thesis option.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Planning (PLN) courses

**PLN 100 Understanding Cities**

*Prerequisite: 12 hours.*

*General Education Course (Focus on Public Issues).*

This course provides an introduction to understanding metropolitan issues from a variety of viewpoints. It will explore questions such as: What is a city? What is the relationship between the natural and built environments? How do planners create a sustainable city? How do people perceive cities? How do planners work with diverse communities? What are their current issues and problems? How will cities respond to a changing world economy and the globalization of culture? This course will help students recognize community needs and how to contribute knowledge and work within diverse communities to meet those needs.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PLN 300 Graphic Communication for Planners**

Focuses on planning graphics, visual analysis, graphic design, diagramming, photo- editing techniques, spreadsheets, and the developing of a portfolio. The graphics and computer techniques as well as the oral and written skills which are used by planners to communicate information to the public and elected officials are emphasized.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 367 Planning Methods**

*Prerequisite: AGR 330 or MTH 340 or PSY 200 or QBA 237 or REC 328 or SOC 302.*

Introduces data collection, sampling methods, statistical procedures and analysis, changing demographic characteristics, economic analysis, population projection methodologies and computer application in data analysis. Cannot receive credit for both PLN 367 and GRY 367.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLN 371 History and Introduction to Planning**

This course provides an introduction to planning and a critical analysis of past and present planning concepts in terms of social, economic, political, and urban design aspects. It analyzes the development of urban form in different eras, and assesses its success and failure to meet the needs of diverse users. It also examines the history and forces behind the development of the planning profession in the United States.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLN 372 Planning Theory and Ethics**

*Prerequisite: PLN 371.*

This course aims to introduce students to the theories of city and regional planning. Specifically, it examines the need for theory in planning and overviews the evolution of planning paradigms from the beginning of the 20th century to the present. Additionally, the following issues are investigated: why plan; how to planners plan; how can planning be achieved in a pluralistic society; what are the values and ethics of planners? Finally, a major aim is for students to appreciate the link between theory and praxis. Field trip required.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 397 Selected Topics in Planning**

Course devoted to a single topic which may vary from semester to semester depending upon student and faculty interest. Since credit and topics vary, this course may be repeated, with permission, to a total of 5 hours credit. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLN 505 Social Planning**

This course will address planning practice in relation to values of justice, equity, fairness, and efficiency. In particular the course will focus upon inclusion of different community groups within the planning decision making process. A field project is required. May be taught concurrently with PLN 605. Cannot receive credit for both PLN 505 and PLN 605.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 570 Planning Law**

Study of the legal foundations of land use controls. Topics include historic legal cases establishing government intervention in private development zoning, subdivision, growth management, individual liberty, environmental regulation and the general welfare concept. May be taught concurrently with PLN 670. Cannot receive credit for both PLN 570 and PLN 670.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 571 Land Use Planning**

*Prerequisite: PLN 371 or PLN 372 or FIN 266.*

Focuses on conceptual and analytical techniques of land use planning, including land use analysis, planning studies and procedures, and the synthesis of planning elements through comprehensive plan development. The course also explores land use planning with regard to social justice and sustainability, diverse communities, and resiliency planning. May be taught concurrently with PLN 671. Cannot receive credit for both PLN 571 and PLN 671.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLN 572 Community Planning Practicum**

*Prerequisite: PLN 571.*

Focuses on the process of plan preparation and is intended to provide experience in the application of planning principles and analytical techniques learned in other program courses to a planning problem in an area community. Students will work on an individual basis and as part of a team in preparing a final report. May be taught concurrently with PLN 672. Cannot receive credit for both PLN 572 and PLN 672. Public Affairs Capstone Experience course.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PLN 573 Urban Design and Preservation**

*Prerequisite: PLN 271 and GRY 322.*

Elements of urban design and preservation in relation to social, economic, and political forces; the role of the urban designer in the planning process. May be taught concurrently with PLN 673. Cannot receive credit for both PLN 673 and PLN 573.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 574 Open Space Planning**

Principles and methods of open space planning. Students will learn about the relationship between open space and the quality of life in cities and will obtain a foundation for conducting open space planning projects. Class format includes lecture, seminar and studio. Field problem required. May be taught concurrently with PLN 574. Cannot receive credit for both PLN 574 and PLN 674.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PLN 576 Site Planning and Design Studio**

*Prerequisite: PLN 371 and PLN 372.*

Focuses on the principles of site planning approaches in evaluating, planning, and designing sites within the context of natural and cultural systems. Provides a foundation for conducting any type of site planning project. A specific site in the region is studied and plans are developed for present and future use. May be taught concurrently with PLN 676. Cannot receive credit for both PLN 676 and PLN 576.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PLN 596 Research in Planning**

*Prerequisite: permission.*

Enrichment through guided but independent, original research in planning and planning related subject areas. May be repeated to a total of 6 hours. May be taught concurrently with PLN 696. Cannot receive credit for both PLN 696 and PLN 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PLN 597 Selected Topics in Planning**

Detailed treatment of various advanced topics in planning which may vary from semester to semester. Some typical topics: Economic Development Planning, Rural and Small Town Planning, Housing in America. Since credit and topics vary, the course may be repeated to a total of 6 hours. Variable content course. May be taught concurrently with PLN 697. Cannot receive credit for both PLN 697 and PLN 597.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLN 599 Internship in Community and Regional Planning**

*Prerequisite: 90 hours and PLN 571.*

Work in community or regional planning agency. Students are monitored by Planning faculty and supervisory personnel of the planning agency. May be repeated to a total of 6 hours. May be taught concurrently with PLN 699. Cannot receive credit for both PLN 699 and PLN 599.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PLN 605 Social Planning**

This course will address planning practice in relation to values of justice, equity, fairness, and efficiency. In particular the course will focus upon inclusion of different community groups within the planning decision making process. A field project is required. May be taught concurrently with PLN 505. Cannot receive credit for both PLN 605 and PLN 505.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 670 Planning Law**

Study of the legal foundations of land use controls. Topics include historic legal cases establishing government intervention in private development zoning, subdivision, growth management, individual liberty, environmental regulation and the general welfare concept. May be taught concurrently with PLN 570. Cannot receive credit for both PLN 570 and PLN 670.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 671 Land Use Planning**

Recommended Prerequisite: PLN 271 or PLN 372 or FIN 266. Focuses on conceptual and analytical techniques of land use planning, including land use analysis, planning studies and procedures, and the synthesis of planning elements through comprehensive plan development. The course also explores land use planning with regard to social justice and sustainability, diverse communities, and resiliency planning. May be taught concurrently with PLN 571. Cannot receive credit for both PLN 571 and PLN 671.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PLN 672 Community Planning Practicum**

*Prerequisite: PLN 571 or PLN 671.*

Focuses on the process of plan preparation and is intended to provide experience in the application of planning principles and analytical techniques learned in other program courses to a planning problem in an area community. Students will work on an individual basis and as part of a team in preparing a final report. May be taught concurrently with PLN 572. Cannot receive credit for both PLN 572 and PLN 672.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PLN 673 Urban Design and Preservation**

Recommended Prerequisite: PLN 271 and GRY 322. Elements of urban design and preservation in relation to social, economic, and political forces; the role of the urban designer in the planning process. May be taught concurrently with PLN 573. Cannot receive credit for both PLN 573 and PLN 673.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PLN 674 Open Space Planning**

Principles and methods of open space planning. Students will learn about the relationship between open space and the quality of life in cities and will obtain a foundation for conducting open space planning projects. Class format includes lecture, seminar and studio. Field problem required. May be taught concurrently with PLN 574. Cannot receive credit for both PLN 574 and PLN 674.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PLN 676 Site Planning and Design Studio**

Recommended Prerequisite: PLN 371 and PLN 372. Focuses on the principles of site planning approaches in evaluating, planning, and designing sites within the context of natural and cultural systems. Provides a foundation for conducting any type of site planning project. A specific site in the region is studied and plans are developed for present and future use. May be taught concurrently with PLN 576. Cannot receive credit for both PLN 576 and PLN 676.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PLN 696 Research in Planning**

*Prerequisite: permission.*

Enrichment through guided but independent, original research in planning and planning related subject areas. May be repeated to a total of 6 credit hours. May be taught concurrently with PLN 596. Cannot receive credit for both PLN 596 and PLN 696.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PLN 697 Selected Topics in Planning**

Detailed treatment of various advanced topics in planning which may vary from semester to semester. Some typical topics: Economic Development Planning, Rural and Small Town Planning, Housing in America. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with PLN 597. Cannot receive credit for both PLN 597 and PLN 697.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PLN 699 Internship in Community and Regional Planning**

Recommended Prerequisite: PLN 571. Work in community or regional planning agency. Students are monitored by Planning faculty and supervisory personnel of the planning agency. May be repeated to a total of 6 hours. May be taught concurrently with PLN 599. Cannot receive credit for both PLN 599 and PLN 699.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PLN 704 Community Resource Planning**

Explanation of community growth and change. Review of public and private agency programs. Topics may focus on small towns and rural areas as well as urban and metropolitan areas. Since credit and topics vary, the course may be repeated for a maximum of 7 hours with permission.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Community and Regional Planning

## Major(s)

### Community and Regional Planning (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (45-46 hours)

1. PLN 100(3) or GRY 100(3) or GRY 108(3) or GRY 142(4) or GLG 110(4) or GLG 171(3); PLN 300(3), 367(3), 371(3), 372(3), 570(3), 571(3), 572(4), 576(4), 599(3); GRY 322(3), GRY 363(4), SOC 302(3)

2. Select an additional 3 hours from PLN courses numbered above 300.

3. Public Affairs Capstone Experience will be fulfilled by completion of PLN 572(4).

C. General Baccalaureate Degree Requirements

## Minor(s)

### Community and Regional Planning

Bachelor of Science

A. PLN 367(3), 371(3), 372(3), 571(3)

B. PLN 572(4) or 576(4)

## Accelerated graduate program in Geospatial Sciences in Geography, Geology and Planning

Eligible Missouri State undergraduate students may apply for admission to the Geospatial Sciences in Geography, Geology and Planning program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and

procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Earth Science Education

## Major(s)

### Earth Science Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   The following required courses can be used to meet both General Education and Major Requirements: BIO 101(3) and 111(1); MTH 138(5), or MTH 135(3) and MTH 181(3), or MTH 261(5) or MTH 287(3); AST 115(4), or CHM 116(4) and 117(1), or GLG 110(4) or GRY 135(4) or PHY 100(4)

B. Major Requirements
   1. Core (25 hours): GLG 110(4), 314(4), 318(3), 412(4); GRY 135(4), 348(3), 351(3)
   2. Major Electives (3 hours): Select 3 additional hours from any GLG course numbered 171 or higher in consultation with advisor
   3. Related Requirements (10-13 hours): AST 115(4); MTH 138(5), or MTH 135(3) and MTH 181(3), or MTH 261(5) or MTH 287(3); SCI 505(3)
   4. Complete one of the following options:
      a. **Categorical Science** (13 hours): BIO 101(3) and 111(1); CHM 116(4) and 117(1); PHY 100(4)
      b. **Unified Science** (25 hours): BIO 121(4), 122(4); CHM 160(4), 161(1), 170(3), 171(1); PHY 123(4), 124(4)
   5. Public Affairs Capstone Experience will be fulfilled by completion of SCI 493(6).

C. Professional Education Courses: A grade of “C” or better in each course is required for state certification.
   1. SCI 214(1), 314(3), 414(3), 493(6), 494(6)
   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

    1. at least a 2.75 GPA on all course work attempted at all colleges attended
    2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
    3. at least a 3.00 GPA in any additional certificate subject area
    4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Environmental Education Certificate

## Environmental Education

This certificate is jointly offered by Department of Biology and Department of Geography, Geology and Planning and provides coursework to improve or broaden the student's background knowledge of environmental related topics and provides instruction on techniques for presenting environmental topics in formal and in nonformal education settings. It also provide exposure to and access to a variety of national and regional environmental education resources that participants can use when developing their own educational programs in the future.

### Admission criteria

The Environmental Education Certificate program is open to all interested persons.

### Completion requirements

Students must take a minimum of five courses as designated and approved and must have an average cumulative grade point average of 2.50 or better in the courses required to receive the certificate. Students must satisfy all prerequisites for any courses they take in the program or they must obtain instructor approval to waive any prerequisites.

### Program requirements (14-16 hours total):

A. GRY 108(3), BIO 561(2)

B. Complete three courses from following electives from at least two different prefixes (course codes). Only one internship and one field course can count toward this program. Cannot count both BIO 547 and GLG 547. Other courses approved by the faculty advisor for the program may be substituted on a case-by-case basis. BIO 399(1-3), BIO 485(1-3), BIO 527(1-4), BIO 547(3), BIO 564(2), BIO 579(4); GRY 318(3), GRY 328(3), GRY 348(3), GRY 353(2), GRY 399(1-3); GLG 110(4), GLG 115(3), GLG 171(3), GLG 350(3), GLG 360(1-3), GLG 399(1-3), GLG 547(3)

# Geographic Information Sciences Certificate

## Geographic Information Sciences

The certificate in Geographic Information Sciences provides an 16 hour undergraduate level program for students and professionals who desire credentials in this area.

### Admission requirements

At least a 2.50 Missouri State cumulative GPA and a minimum of 30 credit hours.

### Program requirements (16 hours)

A. GRY 360(3), 363(4); GEO 551(3), 561(3)

B. Three additional hours from: GEO 562(3), 566(3), 568(3), 572(3), 573(3), 575(3), 578(3)

C. Attain a 2.75 GPA in required courses

# Geography

## Major(s)

### Geography (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (35-36 hours)

1. GRY 100(3), 142(4), 363(4), 367(3), 498(1)
2. Complete one of the following: GRY 300(3), 305(3)
3. Complete one of the following field-studies courses: GRY 301(3), 353(2), 470(2)
4. Related requirement (3 hours): AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3)
5. Complete 12 additional hours with GRY, GEO, or PLN prefix.
6. Public Affairs Capstone Experience will be fulfilled by completion of GRY 498(1) and GRY 301(3) or 353(2) or 470(2).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

### Geography (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (35 hours)

1. GRY 100(3), 142(4), 363(4), 367(3)
2. Complete one of the following: GRY 300(3), 305(3), 316(3), 318(3), 320(3), 321(3), 322(3), 323(3)

3. Related Requirement (3 hours): AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3)

4. Public Affairs Capstone Experience will be fulfilled by completion of GRY 301(3). Field courses offered by other departments may be substituted for the GRY field experience with permission of department head and, for some students, a 3-hour Study Away experience may be substituted.

5. Complete 12 additional hours with GRY, GEO, or PLN prefix.

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Minor(s)

### Geography

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

A. GRY 100(3), 142(4), 363(4)

B. Additional upper division electives in GRY, GEO, or PLN to total at least 17 hours.

## Accelerated graduate program in Geospatial Sciences in Geography, Geology and Planning

Eligible Missouri State undergraduate students may apply for admission to the Geospatial Sciences in Geography, Geology and Planning program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work

for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Geology

## Major(s)

### Geology (Comprehensive)

Bachelor of Science
This degree program is designed for those who wish to seek admission to graduate school in geology or related fields.

A. General Education Program and Requirements

B. Major Requirements (79-87 hours)

1. GLG 110(4) or both GLG 171(3) and GLG 172(1); GLG 314(4), 332(4), 333(3), 334(3), 340(4), 358(3), 412(4), 413(6) or equivalent Field Geology course, 570(3)

2. GLG 415(4) or 580(3) or GRY 348(3)

3. GLG 572(3) or 573(3) or 590(3)

4. Select a minimum of 8 additional hours of GLG courses numbered 318 or higher, but not to include more than 4 hours of GLG 360

5. Related Requirements (27-33 hours): GRY 363(4); CHM 160(4), 161(1), 170(3), 171(1); MTH 261(5) or 287(3); MTH 280(5) or 288(3); PHY 123(4) and 124(4), or PHY 203(5) and 204(5)

6. Public Affairs Capstone Experience will be fulfilled by completion of GLG 358(3).

C. General Baccalaureate Degree Requirements

### Geology (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (49-54 hours)

1. GLG 110(4) or both GLG 171(3) and GLG 172(1); GLG 314(4), 332(4), 333(3), 334(3), 340(4), 358(3), 570(3)

2. GLG 412(4) or 413(6) or equivalent Field Geology course
3. CHM 160(4)
4. MTH 138(5) or 181(3)
5. GRY 363(4)
6. Complete 6 hours selected from:
    a. CHM 161(1), 170(3), 171(1)
    b. GLG courses numbered 318 or higher, but not to include more than 4 hours of GLG 360
    c. GRY 348(3)
7. Public Affairs Capstone Experience will be fulfilled by completion of GLG 358(3).

C. Minor Required (or second major). Geology majors wishing to emphasize paleontology should minor in biology.

D. General Baccalaureate Degree Requirements

## Minor(s)

### Geology

Bachelor of Arts

A. GLG 110(4) or both GLG 171(3) and 172(1); GLG 314(4); four hours of GLG 360(1-3) or 412(4)

B. Three additional hours of GLG courses numbered 318 or higher.

### Geology

Bachelor of Science

A. GLG 110(4) or both GLG 171(3) and 172(1); GLG 314(4); four hours of GLG 360(1-3) or 412(4)

B. Six additional hours of GLG courses numbered 318 or higher.

## Accelerated graduate program in Geospatial Sciences in Geography,

## Geology and Planning

Eligible Missouri State undergraduate students may apply for admission to the Geospatial Sciences in Geography, Geology and Planning program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Geospatial Sciences

## Major(s)

## Geospatial Sciences (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements (59-60 hours)

1. GRY 100(3) or 108(3) or PLN 100(3)
2. GRY 142(4) or GLG 110(4)
3. GRY 275(3) or 348(3) or 351(3)
4. GRY 300(3) or 305(3) or 320(3) or 321(3) or 322(3) or 323(3)
5. GRY 301(3) or 353(3) or 470(2)
6. GRY 360(3), 363(4), 367(3), 498(1)
7. GEO 551(3), 561(3), 562(3), 566(3), 568(3), 572(3)
8. CSC 130(3)
9. AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3)
10. Complete 3 additional hours from GEO prefix.
11. Complete 6 additional hours from the following: GRY courses numbered 300 or above; TCM 110(3); MTH 138(5), 181(3); 261(5) or 287(3); 280(5) or 288(3); CSC 131(4), 335(3)
12. Public Affairs Capstone Experience will be fulfilled by completion of GRY 498(1) and either GRY 301(3) or 353(3) or 470(2).

    NOTE: Students who select a surveying emphasis must take GRY 275(3), 375(3), 377(3), 379(3).

C. General Baccalaureate Degree Requirements

## Minor(s)

### Geospatial Sciences

Bachelor of Science

A. GRY 142(4) or GLG 110(4); GRY 360(3), 363(4); GEO 551(3), 561(3)

B. Complete three hours from GEO 562(3), 566(3), 568(3), 572(3), 573(3), 575(3), 578(3). Note: Students majoring in geography must complete nine hours of the following to avoid overlap with the major degree requirements: GEO 562(3), 566(3), 568(3), 572(3), 573(3), 575(3), 578(3).

## Accelerated graduate program in Geospatial Sciences in Geography, Geology and Planning

Eligible Missouri State undergraduate students may apply for admission to the Geospatial Sciences in Geography, Geology and Planning program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Geotourism

## Minor(s)

### Geotourism

Bachelor of Arts
Bachelor of Science
GRY 108(3), 308(3), 310(3), 328(3), 410(3); HSP 340(3)

Because of course overlap, this minor cannot be used by students selecting the Geotourism option in the BS major in Geography.

# Global Studies

## Minor(s)

### Global Studies

Bachelor of Arts
Bachelor of Science

A. GRY 100(3), 305(3); GRY 320(3) or 321(3) or 323(3)

B. Nine additional hours in regional geography courses selected from: GRY 305(3), 308(3), 316(3), 318(3), 320(3), 321(3), 323(3), 507(3). Note: GRY 305(3) is a variable content course that may be repeated with new content.

Because of course overlap, this minor cannot be used by students selecting the Cultural and Regional Geography option in the BS major in Geography.

# Planning and Development Certificate

## Planning and development

The certificate in Planning and Development provides a 13 hour undergraduate level program for city employees (including city administrators), planning commissioners, council members, developers, and other practitioners who wish to familiarize themselves with the basics of the planning profession. Students interested in obtaining this certificate are welcome to enroll.

### Program requirements (13 hours)

A. PLN 371(3) or 372(3); PLN 572(4) or 576(4)

B. Six additional hours from GRY 322(3) or PLN courses numbered above 371

# Department of Hospitality Leadership

## Programs

### Undergraduate

Hospitality Leadership (BS, BAS)

Food and Beverage Operations (Certificate)

### Graduate

Hospitality Administration (Certificate)

Courses are offered toward the option in Hospitality Administration within the Professional Studies program (MPS)

## Accreditation

Accreditation Commission for Programs in Hospitality Administration – Hospitality Leadership (BS)

## Mission statement

The Department of Hospitality Leadership at Missouri State University is committed to creating an environment of academic excellence. We prepare our students to be ethical leaders in the hospitality and tourism industries by providing an environment where meaningful learning and development is a priority. We serve our constituencies through quality teaching, community engagement, and relevant focused research.

## Contact

**Department head**

Stephanie G. Hein, EdD

**Office**

Pummill Hall, Room 300

**Phone**

417-836-4409

**Fax**

417-836-7673

**Email**

hra@missouristate.edu

**Website**

hospitality.missouristate.edu

# Hospitality Leadership Faculty

## Professor

Melissa B. Dallas, JD

## Associate professors

Daniel D. Crafts, EdD

Stephanie G. Hein, EdD

## Assistant professors

Albert A. Barreda, MS

Yoshimasa Kageyama, PhD

## Senior instructor

Abigale S. Ehlers, MSEd

## Instructors

Jokima L. Hiller, MBA

Wajeana G. White, BS

## Emeritus faculty

Melanie A. Grand, MSEd

Henry C. Huitt, MSEd

Loanna Thompson, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Hospitality Leadership Courses

## Hospitality Leadership (HSP) courses

**HSP 210 Introduction to Hospitality Leadership**

This course is designed to examine the leadership processes, concepts, and principles and to improve personal competence in decision-making, problem solving, motivation, and communication as they relate to the hospitality industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 215 Introduction to Lodging Management**

*Prerequisite: HSP 210 or concurrent enrollment.*

A study of the fundamentals of how lodging operations are managed from a rooms perspective. Practical examples are used to familiarize students with the line management aspects of reservations, registration, occupancy, and checkout and the settlement procedures in various lodging market segments.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 218 Safety and Sanitation**

*Prerequisite: HSP 210 or concurrent enrollment or permission.*

Introduction to food service sanitation and safety practices pertinent to hospitality management. Emphasis on sanitation requirements, safe food handling, storage practices and accident prevention.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 300 Special Topics in Hospitality Leadership**

*Prerequisite: permission of Department Head.*

Selected topics of contemporary interest in hospitality leadership. Offered when resources and demand allow. May be repeated for a total of 6 hours when topics change. Variable Content Course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HSP 302 Hospitality Leadership Study Tour**

*Prerequisite: permission of Department Head.*

Study of and visits to museums, international hospitality tours, historic sites, trade shows, conferences, and conventions related to the hospitality industry. May be taken for a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HSP 310 Analyzing Financial Performance in Hospitality Operations**

*Prerequisite: MTH 130 or higher; and HSP 210 and HSP 215 and ACC 201.*

Financial techniques in forecasting, budgeting, and performance measurement, and the application of the hospitality industry uniform system of accounts are covered in this course as they apply to operational and fiscal decision making.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 315 Advanced Lodging Management**

*Prerequisite: HSP 210 and HSP 215 and ACC 201.*

Students in this course will analyze the lodging industry in depth. Critical thinking skills are stressed as students are exposed to different viewpoints within a coherent theoretical structure, enabling them to formulate their own ideas and solutions. Current trends and challenges in lodging are also studied in depth.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HSP 321 Principles of Food Preparation**

*Prerequisite: HSP 218.*

Students in this course study the scientific principles and techniques in the selection, preparation and preservation of food including fundamental principles of nutrition and diet. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**HSP 325 Cultural Cuisine**

*Prerequisite: permission of instructor.*

A course designed to extensively explore various cultures through a hands-on culinary experience. May be repeated for a total of 6 hours. Supplemental course fee (variable by section.)

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HSP 330 Banquet Operations**

*Prerequisite: HSP 210 and HSP 321.*

This course provides students with practical skills and knowledge for effective management of food and beverage practices, from the preparation of quantity foods to its service. Laboratory arranged. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**HSP 340 Destination Development**

*Prerequisite: HSP 410 or concurrent enrollment; or GRY 310.*

This course offers a systematic study of hospitality businesses and attractions as they apply to destination development. The role of government agencies, private developers, and investors as they pertain to destination development will be studied. Case studies are used extensively which offer examples of successful and unsuccessful development efforts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HSP 345 Club Management**

*Prerequisite: HSP 210 and HSP 215 and HSP 218.*

The purpose of this course is for students to develop an understanding of the private club segment of the hospitality industry and its unique challenges. Students study governance, strategy, marketing membership, human resources, and operations that are specific to the private club segment of the hospitality industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HSP 354 Hospitality Human Resource Development**

*Prerequisite: HSP 210 and HSP 215 and junior standing.*

Study of concepts and applications of interpersonal skills as it relates to the hospitality industry; communication; leadership styles; product enhancement; labor market shortage; conflict resolution; recruitment, training and retention.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 360 Hospitality Facilities Management**

*Prerequisite: HSP 210 and HSP 215 and ACC 201.*

Students in this course study the management of the physical plant of various hospitality enterprises, with a focus on systems, sustainability, design and layout, equipment, development, and renovation. Current facility-related challenges are also addressed

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**HSP 370 Hospitality Industry Revenue Management**

*Prerequisite: HSP 310.*

The course presents the theories, strategies and tactics employed in hospitality revenue management including capacity management, duration control, demand and revenue forecasting, discounting, displacement analysis, and sales mix analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**HSP 400 Problems in Hospitality Leadership**

*Prerequisite: permission of Department Head.*

Independent study for those who wish additional work in specific subject areas.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HSP 409 Beverage Operations**

*Prerequisite: senior standing; and Hospitality Leadership major.*

Principles and methods of operating a profitable beverage component in a foodservice business. Topics range from inventory control, accounting, equipment and pricing, to legal responsibilities and liability. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 410 Hospitality Marketing**

*Prerequisite: HSP 310 or concurrent enrollment; and MKT 150 or MKT 350.*

The course is designed to provide students with theory and knowledge which will enable them to develop and interpret strategic marketing plans for hospitality enterprises properties.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 426 Food and Beverage Management**

*Prerequisite: HSP 321; and MTH 130 or higher; and junior standing.*

A continuation of the student's familiarization with food service components in the hospitality industry. Menu, planning, pricing, food service accounting, wage and labor cost control, purchasing, portion control, advertising, sales and other food service principles, practices and techniques are analyzed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 428 Hospitality Law**

*Prerequisite: junior standing; and Hospitality Leadership major.*

The study of the legal aspect of lodging and food service operations. Problem-solving approach applied to liability and litigation problems confronting hospitality executives.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 430 Special Event Planning**

*Prerequisite: HSP 321; and MKT 150 or MKT 350.*

In-depth analysis of management and operational challenges involved in planning and deploying events as they relate to the hospitality industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 435 Restaurant Management**

*Prerequisite: HSP 321.*

This course is designed to allow students to experience the step-by-step process of operating "Carrie's" Restaurant in Pummill Hall. Students will design the menu, prepare and serve the food and market the restaurant. In addition, students may participate in the planning and execution of various special events in the program. May be repeated to a total of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**HSP 436 Casino Operations**

*Prerequisite: HSP 354 or concurrent enrollment.*

This course provides an overview of the gaming industry with an emphasis on casino hotel operations as an integral part of the hospitality industry. Topics include the history of gaming, casino layout and design, surveillance, demographic profiles, psychological profiles, and economic impact.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 480 Global Strategic Management in the Hospitality Industry**

*Prerequisite: senior standing; and HSP 310; and HSP 410 or concurrent enrollment.*

This is an integrative course that focuses on managing the various components of the hospitality industry at both the business and the corporate level. Students use case studies as well as current events in the industry to understand the nature of strategic issues and their management in the hospitality industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 490 Advanced Hospitality Leadership**

*Prerequisite: senior standing; and MTH 130 or higher; and HSP 354 or concurrent enrollment; and Hospitality Leadership major.*

An in-depth investigation into leadership principles and practices required of professionals in the hospitality industry. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**HSP 497 International Hospitality Field Study**

*Prerequisite: HSP 210 and HSP 215 and HSP 218 and permission.*

Provides students with first-hand exposure to international issues in hospitality administration. This Study Away experience includes a preparation phase, a two to three week visit to an international destination where students are immersed in the local culture, and a debrief following the trip. Because credit and destinations vary, the course may be repeated to a total of 6 hours. Graded Pass/Not Pass only. Variable content course.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HSP 499 Internship in Hospitality**

*Prerequisite: senior standing; and Hospitality Leadership major; and permission.*

Supervised experience in a cooperative program in hospitality. Student must gain experience/exposure in at least three positions during the internship. The student must be paid for the internship and must work a minimum of 750 hours. Public Affairs Capstone Experience course.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**HSP 710 Risk Management and Legal Compliance in the Hospitality Industry**

In-depth studies of legal issues pertinent to hospitality and tourism firms are the focus of this course. Topical areas include contracts, negligence, and employment, labor, and real estate law. Treaties and international law affecting global trade policy as well as international tourism development receive heavy emphasis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HSP 720 Hospitality Change Management and Leadership**

An in-depth investigation of the principles and theories of leading change in hospitality organizations. The processes, skills, and abilities needed to manage change in the industry are stressed. Attention is given to areas hospitality leaders need to address when initiating change such as vision development, team development and motivation, power and influence, performance standards, productivity, and organizational culture. Case studies will be used extensively to address course content.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HSP 730 Seminar in Hospitality and Tourism**

*Prerequisite: HSP 710 and HSP 720.*

An evaluation and analysis of the theory, research, and practice involved in hospitality and tourism fields. The course involves an integrative learning experience where students will have the opportunity to engage in an applied research project.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**HSP 798 Field Experience in Hospitality Administration**

*Prerequisite: HSP 710 and HSP 720; and HSP 730 or concurrent enrollment; and application approval.*

The field experience is the culminating course for students in the Hospitality Administration Certificate Program. This course provides the students with direct leadership experience in the hospitality industry. Possible field experience sites include hotels, restaurants, institutional foodservice operations, country clubs, senior living facilities, convention and visitors bureaus, tourism-related companies, stadiums, entertainment venues, cruise lines, and many others. An intentional match will be made between the student's career aspirations, the field experience site, and the industry segment. Student must successfully complete at least 300 hours of field experience and well as a seminar paper.

**Credit hours:** 3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

# Hospitality Leadership

## Major(s)

### Hospitality Leadership (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirement: GRY 100(3)

B. Major Requirements

   1. Core Courses: HSP 210(3), 215(3), 218(3), 310(3), 321(3), 354(3), 410(3), 426(3), 428(3), 480(3), 490(3), 499(6)

   2. Related Requirements: MKT 150(3) or 350(3); and ACC 201(3)

   3. Public Affairs Capstone Experience will be fulfilled by completion of HSP 490(3) and 499(6).

   4. Complete one of the following options (9 hours):

      a. **Club Management:** HSP 330(3), 345(3); HSP 430(3) or 436(3)

      b. **Food and Beverage:** HSP 330(3), 409(3), 435(3)

      c. **General Operations:** HSP 340(3); HSP 430(3) or 436(3); HSP 315(3) or 435(3)

      d. **Lodging:** HSP 315(3), 360(3), 370(3)

      e. **Senior Living Management:** HSP 330(3); GER 310(3), GER 365(3)

      f. **Tourism:** GRY 310(3), GRY 328(3); HSP 340(3)

C. Electives to bring total number of hours to 125. Students are encouraged to use these hours to complete more than one track and to take HSP electives.

D. General Baccalaureate Degree Requirements

## Hospitality Leadership (BAS)

Bachelor of Applied Science

A. General Education Program and Requirements

B. Major Requirements

1. Associate of Science or Associate of Applied Science degree from an accredited institution. Contact the department for details.

2. HSP 210(3), 215(3), 218(3), 321(3)

3. Related Requirements: ACC 201(3); MKT 150(3)

4. Core Courses: HSP 310(3), 354(3), 428(3), 490(3), 499(6)

5. Major Electives: 12 hours of upper division HSP electives

6. Public Affairs Capstone Experience will be fulfilled by completion of HSP 490(3) and 499(6).

C. Seven additional hours of advisor approved upper division electives to bring total upper division hours to 40.

D. General Baccalaureate Degree Requirements

# Food and Beverage Operations Certificate

## Food and Beverage Operations

The Food and Beverage Operations certificate program provides a 15 hour educational experience in the food and beverage discipline. Students will receive concentrated instruction on a number of pertinent aspects pertaining to the food and beverage industry.

### Program Requirements (15 hours)

A. HSP 210(3), 218(3), 321(3), 426(3)

B. Complete one of the following courses: HSP 330(3), 409(3), 435(3)

### Completion Requirement

Must obtain a grade of "C" or better in all certificate courses.

# Department of Mathematics

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Mathematics (BA, BS, Minor)+

Mathematic Education (BSEd)+

### Graduate

Mathematics (MS)+

Natural and Applied Science degree with an area of emphasis in Mathematics (MNAS)+

Secondary Education with an option in Mathematics (MSEd)+

## Accreditations

- Missouri Department of Elementary and Secondary Education – Mathematics (BSEd); Secondary Education/Mathematics (MSEd)
- Council for the Accreditation of Educator Preparation – Mathematics (BSEd); Secondary Education/Mathematics (MSEd)

## General information

### Math placement

An appropriate placement is required prior to taking any of the

## Contact

**Department head**

William O. Bray, PhD

**Office**

Cheek Hall, Room 10M

**Phone**

417-836-5112

**Fax**

entry level mathematics courses beyond MTH 101 as noted in the course prerequisite. Students can use their ACT or SAT math sub score or the results from the Department of Mathematics Placement Test to determine their appropriate math placement level. In the event that the placement determined by the ACT or SAT sub score and the departmental test are different, the student may choose either one after consulting with an advisor.

If you do not have transfer credit for MTH 103 or higher, then your placement in mathematics at Missouri State will be based on your math score from the ACT or SAT.

417-836-6966

**Email**

Mathematics@missouristate.ed

**Website**

math.missouristate.edu

If you do not have either transfer credit or ACT or SAT math scores, then you must either take the math placement exam or begin your math sequence at Missouri State with MTH 101 (Intermediate Algebra I). If you have MTH elective credit in transfer (MTH 000) that needs to be re-evaluated to help determine your placement more appropriately, please e-mail the Department of Mathematics. Also, if you have successfully completed an introductory (non-transferable) algebra course at a college, you may receive permission to begin with MTH 103 (Intermediate Algebra). You may also choose to take the placement exam if you are not satisfied with your placement based on your ACT or SAT math sub score. It is recommended to complete the placement exam prior to registration if possible. You may do so by participating in the scheduled testing sessions during SOAR or call the Mathematics Department at 417-836-5112 to schedule an appointment.

## Having your ACT or SAT scores sent

If you will need your ACT or SAT scores for placement purposes, be sure to request that they be sent to us if you have not already done so. Consult www.act.org (ACT) or http://www.collegeboard.com/ (SAT) for more information. If your scores are on your high school transcript, you may also have your official high school transcript sent to us.

## Arranging to take the mathematics placement test

If you need (or choose) to take the math placement test, you may do so by participating in the scheduled testing sessions during SOAR or call the Mathematics Department, Cheek 10M, 417-836-5112 to schedule an appointment. Adult and evening students may also contact the Office of Adult Student Services, 417-836-6929 or 800-492-7900. You should arrange to have your ACT or SAT scores sent or take the math placement test before you register for your first semester at

Missouri State University.

## About the mathematics placement test

The one-hour placement test administered by the Mathematics Department will consist of fifty questions in three components: basic algebra, advanced algebra, and trigonometry. Students will have an option to attempt only the basic algebra portion during the first thirty minutes and turn in the test if they so desire. They are, however, strongly encouraged to attempt the whole test. There is no charge for the mathematics placement test, and there is no need to sign up in advance. ***However, the placement test can only be taken once***. Contact the Mathematics Department for further information. Students can view their ACT, SAT, and/or placement test scores online through My Missouri State system.

## Placement using ACT math sub score:

ACT Math ≥ 28: MTH 340, 287, 261, 215, 181, 138, 135, 130, 103, 101
ACT Math ≥ 27: MTH 340, 287, 215, 181, 138, 135, 130, 103, 101
ACT Math ≥ 26: MTH 287, 181, 138, 135, 130, 103, 101
ACT Math ≥ 25: MTH 138, 135, 130, 103, 101
ACT Math ≥ 22: MTH 135, 130, 103, 101
ACT Math ≥ 20: MTH 103, 101
ACT Math ≤ 19: MTH 101

## Placement using SAT math sub score:

SAT Math ≥ 640: MTH 340, 287, 261, 215, 181, 138, 135, 130, 103, 101
SAT Math ≥ 620: MTH 340, 287, 215, 181, 138, 135, 130, 103, 101
SAT Math ≥ 600: MTH 287, 181, 138, 135, 130, 103, 101
SAT Math ≥ 580: MTH 138, 135, 130, 103, 101
SAT Math ≥ 510: MTH 135, 130, 103, 101
SAT Math ≥ 480: MTH 103, 101
SAT Math ≤ 460: MTH 101

## Pre-engineering preparation

Missouri State University offers a cooperative engineering program in conjunction with Missouri University of Science and Technology in Rolla, Missouri. Only students residing in a sixteen-county area of southwest Missouri qualify for this program. Refer to the Engineering Program section of catalog for more information. Students who wish to pursue engineering, but do not meet the geographic requirements for the cooperative program, may take two years of foundation courses at Missouri State. The Departments of Mathematics and Physics, Astronomy and

Materials Science jointly offer a two-year plan to meet the needs of these students, who must transfer later to complete a four-year degree in engineering. Contact either department for details.

## Actuarial science

Students may pursue a career as an actuary by choosing a major and minor in related areas and selecting appropriate electives. Students interested in Actuarial Science typically major in Mathematics with the Actuarial Mathematics option and a minor in Risk Management and Insurance. Help in preparing for the early actuarial exams is available through the Mathematics Department. For more information, contact the Mathematics Department or the Finance and General Business Department.

# Mathematics Faculty

## Distinguished professor

Paula A. Kemp, PhD

## Professors

Richard G. Belshoff, PhD

William O. Bray, PhD

Yungchen Cheng, PhD

Kanghui Guo, PhD

Shouchuan Hu, PhD

Kurt Killion, EdD

Shelby Kilmer, PhD

George Mathew, PhD

Gay A. Ragan, PhD

Jorge L. Rebaza-Vasquez, PhD

Leslie Reid, PhD

Kishor Shah, PhD

Vera B. Stanojevic, PhD

Yingcai Su, PhD

Xingping Sun, PhD

Cameron Wickham, PhD

## Associate professors

## Senior instructors

Patti A. Blanton, MSEd

Donna N. Sherrill, MSEd

Gary L. Stafford, MA

Kimberly Van Ornum, MS

## Instructors

Joann E. Barnett, MSEd

Robert S. Brown, BS

Roger Bunn, PhD

Sylvia Carr, MSEd

Carolyn Shand-Hawkins, MS

Harry D. Shea, MS

Linda R. Sun, MS

Anna M. Tripi, BS

Fan Zhou, MS

## Emeritus faculty

David I. Ashley, PhD

Earl E Bilyeu, MA

Larry N. Campbell, DA

Wallace F. Davis, MEd

Adam Harbaugh, PhD

Mark Wayne Rogers, PhD

Matthew Wright, PhD

Songfeng Zheng, PhD

## Assistant professors

Steven Senger, PhD

Patrick Sullivan, PhD

Jay Towell, MS

Abel Jerry Trick, MSEd

James R. Downing, MS

Gay F. Ellis, MA

Mark E. Gann, BS

Frank S. Gillespie, MA

Shirley Huffman, PhD

John D. Kubicek, PhD

David B. Lehmann, EdD

Samuel A. Lynch, MS

E. Rebecca Matthews, MST

Neil Pamperien, MST

Clyde A. Paul, EdD

Lynda M. Plymate, PhD

Clayton C. Sherman, PhD

Woodrow Sun, PhD

William Sutherlin, PhD

Beverly Weatherwax, MS

Joe L. Wise, MEd

Xiang Ming Yu, PhD

Liang-Cheng Zhang, PhD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Mathematics Courses

## Mathematics (MTH) courses

**MTH 101 Intermediate Algebra A**

This course is recommended for students who have not mastered algebra concepts needed for college algebra. Topics will include linear and quadratic equations, absolute value equations and inequalities, linear and nonlinear inequalities, properties of exponents, rectangular coordinate systems, lines, circles, parabolas, systems of equations, polynomials and rational expressions, and functions. Cannot receive credit toward graduation for both MTH 101 and MTH 103. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 130, MTH 135, or MTH 138. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MTH 103 Intermediate Algebra**

*Prerequisite: appropriate placement score.*

This course is recommended for students who have not mastered algebra concepts needed for college algebra. Topics will include linear and quadratic equations, absolute value equations and inequalities, linear and nonlinear inequalities, properties of exponents, rectangular coordinate systems, lines, circles, parabolas, systems of equations, polynomials and rational expressions, and functions. Cannot receive credit toward graduation for both the MTH 101-102 sequence and MTH 103. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 130, MTH 135, or MTH 138. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 107 Contemporary Mathematics Co-requisite**

*Prerequisite: concurrent enrollment in MTH 130.*

The primary objective of the corequisite course is to support student success in MTH 130. Strategies for success and mathematical skills will be emphasized to reinforce the content of MTH 130. Lab activities will solidify understanding of problem solving, geometry, probability, statistics, and personal finance. Cannot be taken Pass/Not Pass.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**MTH 121 Multicultural Views of History and Mathematics**

This course explores the impact of major historical events, the mores of various societies, and basic human nature on the development of mathematical knowledge. Parallels will be drawn to events in today's world to determine how each individual can foster the global advancement of knowledge. The level of mathematical and historical knowledge expected on incoming students does not exceed the level of traditional high school courses.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 130 Contemporary Mathematics**

*Prerequisite: "C" grade or better in MTH 101 or MTH 103, or approved score on a departmental placement test; Co-requisite: Students who do not meet the prerequisite yet have a Math ACT 20 or 21 (SAT 480 to 509), or a D grade in MTH 101, or an approved score on the departmental placement exam may enroll in MTH 130 concurrently with MTH 107.*

*General Education Course (Focus on Quantitative Literacy).*

This is a problem solving and applications of mathematics course. Topics to be studied will include, but not limited to: the art of problem solving, geometry, probability, statistics, and mathematics of finance. Cannot count toward a mathematics major or minor. Cannot be taken Pass/Not Pass. MTH 130 does not meet the prerequisite for MTH 135.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 135 College Algebra**

*Prerequisite: "C" grade or better in MTH 101 or MTH 103, or appropriate placement score, Note: MTH 130 does not meet the prerequisite for MTH 135.*

*General Education Course (Focus on Quantitative Literacy).*

Contents include the study of linear and quadratic equations; inequalities and their applications; polynomial, rational, exponential and logarithmic functions; and systems of equations. Cannot receive credit toward graduation for both MTH 135 and MTH 138. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 181, MTH 285, or MTH 287. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 138 Pre-Calculus Mathematics**

*Prerequisite: "C" grade or better in MTH 101 or MTH 103 (Recommended: "B" grade or better in MTH 101 or MTH 103), or appropriate placement score.*

*General Education Course (Focus on Quantitative Literacy).*

Selected topics in algebra and trigonometry to prepare the student for calculus. Cannot receive credit toward graduation for both MTH 138 and MTH 135. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 261, 287, CSC 125 or 131. Cannot be taken Pass/Not Pass.

**Credit hours:** 5
**Lecture contact hours:** 5
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 181 Trigonometry**

*Prerequisite: "C" grade or better in MTH 135 or appropriate placement score.*

*General Education Course (Focus on Quantitative Literacy).*

Triangle trigonometry and its applications; trigonometric and inverse trigonometric functions; trigonometric identities and equations; Rational, exponential and logarithmic functions. Cannot receive credit toward graduation for both MTH 181 and MTH 138. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 287. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 215 Discrete Mathematics**

*Prerequisite: MTH 138 or MTH 181 or approved calculus course or appropriate placement score.*

Topics include: logic, mathematical reasoning, basic counting, discrete probability, matrices, recursion, sets and relations, graphs and trees.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 261 Analytic Geometry and Calculus I**

*Prerequisite: "C" grade or better in MTH 138 or MTH 181 or appropriate placement score.*

*General Education Course (Focus on Quantitative Literacy).*

Analytic geometry of the plane, limits, continuity, differentiation with applications, introductory integration with applications. A grade of "C" or better is required in this course in order to take MTH 280 or 288. Cannot be taken Pass/Not Pass.

**Credit hours:** 5
**Lecture contact hours:** 5
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 280 Analytic Geometry and Calculus II**

*Prerequisite: "C" or better in MTH 261.*

Applications of integration, integration techniques, indeterminate forms, improper integrals, sequences, series, conic sections, parametrization, polar coordinates. Cannot be taken Pass/Not Pass.

**Credit hours:** 5
**Lecture contact hours:** 5
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 285 Calculus for Business and the Social Sciences**

*Prerequisite: "C" or better in MTH 135, or appropriate placement score.*

Short review of algebra; absolute value and inequalities followed by elements of geometry, limits, the derivative, anti-derivative, and their applications. Cannot receive credit toward graduation for both MTH 285 and MTH 261.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 287 Computational Calculus with Analytic Geometry I**

*Prerequisite: "C" or better in MTH 135 or MTH 138, or an approved score on a department placement test.*

*General Education Course (Focus on Quantitative Literacy).*

Introduction to the concepts and methods of analytic geometry and differential and integral calculus with emphasis on applications in the natural sciences and technology. Cannot receive credit toward graduation for both MTH 287 and MTH 261. Cannot receive credit for both MTH 287 and MTH 285. A grade of "C" or better is required in this course in order to take MTH 288. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 288 Computational Calculus II**

*Prerequisite: "C" grade or better in MTH 261 or MTH 287.*

Continuation of MTH 287. Cannot receive credit toward graduation for both MTH 288 and MTH 280. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 299 Introductory Topics in Mathematics**

Variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if a different topic is offered. Cannot count toward a mathematics major or minor or General Education requirement.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MTH 300 Service Learning in Mathematics**

*Prerequisite: 30 hours and concurrent registration in a Mathematics course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in mathematics to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MTH 302 Multivariate Calculus**

*Prerequisite: MTH 280.*

Vector algebra and calculus, solid analytic geometry, partial differentiation, multiple integration, vector fields.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 303 Differential Equations**

*Prerequisite: MTH 280.*

Ordinary differential equations; their solutions and applications. Introduction to operators and the Laplace transformation.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 315 Algebraic Structures**

*Prerequisite: MTH 261.*

Sets, logic, quantifiers, functions, relations, matrices, elementary number theory, induction, recursion, combinatorics, with emphasis on reading and writing proofs and the development of mathematical maturity.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 320 Foundations of Mathematics for Teachers**

*Prerequisite: completion of General Education mathematics requirement with grade of "C" or better; MTH 130 recommended.*

This course centers around the structure and properties of the real number system and its subsets. Numeration systems, patterns of numbers, models and algorithms for operations, number theory, probability, and statistics will be studied. Problem solving and communication are continuing themes of this course. Manipulatives (including Base-10 Blocks, Cuisenaire Rods, Number Cubes, and Colored Counters), calculators, and computer software (including a statistical package, spreadsheet and word processor) are used extensively as tools to develop mathematical concepts. Cannot be used as a mathematics elective for the mathematics major or minor.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MTH 333 Linear Algebra**

*Prerequisite: MTH 280.*

Systems of linear equations, matrices and matrix algebra, determinants, vector spaces, linear independence, inner product spaces, linear transformations, eigenvectors, diagonalization, various applications and computational aspects.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 340 Statistical Methods**

*Prerequisite: completion of General Education mathematics requirement or appropriate placement score.*

Statistics, elementary probability, estimation and tests of simple hypotheses involving both large and small sample methods, linear correlation. Cannot count toward mathematics major or minor. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 343 Foundations of Probability and Statistics for Teachers**

*Prerequisite: "C" or better in MTH 320.*

This course includes the collection, display, analysis, and misuse of data, measures of central tendency and variation; counting techniques including permutations and combinations; elementary probability, and an informal introduction to correlation and regression. Problem solving and communication skills are continuing themes. This is an activity-based course with extensive use of manipulatives, models and technology. It cannot be used as a mathematics elective for a mathematics major or minor.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MTH 345 Statistics for Scientists and Engineers**

*Prerequisite: MTH 280 or MTH 288.*

Topics include events, probability, random variables, discrete and continuous density functions, expectations, sampling distributions, central limit theorem, estimation, confidence intervals, tests or hypotheses. Computer statistical packages will be used for simulation study and data analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 360 Foundations of Geometry for Teachers**

*Prerequisite: "C" or better in MTH 320.*

This course includes the study of synthetic, analytic, vector and transformational geometries through properties of geometric figures, measurement, construction, conjecture and proof, and tessellations. Problem solving and communication are continuing themes of this course. Manipulatives (including MIRA, Geoboard, Tangrams, Attribute Blocks and compass), calculators, and computer software (including Logo, Geometer's Sketchpad and a word processor) are used extensively as tools to develop geometric concepts. Cannot be used as a mathematics elective for the mathematics major or minor.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**MTH 377 Mathematical Processes**

*Prerequisite: MTH 135 or MTH 138; and MTH 340 or MTH 343.*

This course examines both finite and infinite mathematical processes used when solving problems involving discrete or continuous data. As an activity-base and laboratory-centered course, these processes are to be explored in the context of real-world applications. Communication of mathematical concepts and solutions to problems using technology, as well as paper and pencil procedures, is a continuing theme. This course is for the middle school education major who chooses mathematics as an area of subject matter concentration and elementary education majors with an emphasis area in mathematics. The course connects experiences from the concepts of numbers, algebra, geometry, and data analysis to those of the calculus. This course cannot be used as a mathematics elective for the mathematics major or minor.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MTH 409 Teaching and Learning of Mathematics I**

*Prerequisite: SEC 302 and 15 hours of college mathematics, and admission to the Teacher Education Program.*

Develops foundation for reflective decision-making when teaching algebra to emphasize problem solving, communication, reasoning and proof, connections, and representations. The incorporation of appropriate classroom technology will be stressed. Credited only on the BSEd (Middle School/Secondary). A grade of "C" or better is required in this course in order to take MTH 493. Cannot be taken Pass/Not Pass. Cannot count toward the major GPA.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**MTH 410 Teaching and Learning of Mathematics II, with Practicum**

*Prerequisite: MTH 409, and admission to the Teacher Education Program.*

Focus on developing the reflective decisionmaker's appropriate use of current technologies, classroom management techniques and assessment processes in teaching geometry. Some attention devoted to advanced algebra, trigonometry, discrete mathematics and calculus topics. All students will complete a field experience in a mathematics classroom. Credited only on the BSEd (Secondary). A grade of "C" or better is required in this course in order to take MTH 493. Cannot be taken Pass/Not Pass. Cannot count toward the major GPA.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MTH 411 Teaching and Learning of Mathematics III**

*Prerequisite: MTH 409; and admission to the Teacher Education Program; and concurrent enrollment in MTH 410 is required.*

Focus will be on knowledge of students and the learning environment, designing instruction for student learning, and implementing and analyzing instruction to promote student learning. Credited only on the BSEd (secondary). A grade of "C" or better is required in this course to take MTH 493. Cannot be taken Pass/Not Pass. Will not count toward the major GPA.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MTH 421 Numerical Analysis I**

*Prerequisite: MTH 280.*

Recommended Prerequisite: CSC 125 or CSC 130. Solution of systems of linear and nonlinear equations, interpolation, integration, approximation, matrix computations. Problem solution will include the use of software. Identical with CSC 421. Cannot receive credit for both MTH 421 and CSC 421.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 422 Numerical Analysis II**

*Prerequisite: MTH 303 and MTH 421.*

Solution of initial and boundary value problems in ordinary and partial differential equations, simulation, and optimization. Problem solution will include the use of software. Identical with CSC 422. Cannot receive credit for both MTH 422 and CSC 422.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 450 Theory of Interest**

*Prerequisite: MTH 280.*

A thorough treatment of the mathematical theory of interest with some discussion of economic aspects such as inflation, risk and uncertainty, and yield curves. Topics include: Annuities, yield rates, amortization, bonds, and sinking funds.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 460 College Geometry**

*Prerequisite: MTH 315.*

This course examines concepts not usually included in a high school plane geometry course: axiomatic structure, finite geometries; Euclidean geometry axioms, historical development and relationships between various geometries, transformations in two and three dimensions, groups of transformations, convexity, linear programming, geometry of polygons and circles, the nine-point circle, constructions, and an introduction to non-Euclidean geometry. These topics will be developed within a problem solving context and will emphasize construction and communication of mathematical ideas including argument and proof. A dynamic geometry software package, such as Geometer's Sketchpad, will be used as a tool to develop geometric concepts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 479 Mathematical Tools and Structures**

*Prerequisite: MTH 343 or MTH 360.*

Recommended Prerequisite: 15 hours of elementary or middle school mathematics. This course is designed to coordinate, connect and extend the mathematical experiences of the student who is preparing to teach mathematics in the middle school. Specific course content will include all of the following: an in-depth overview of problem solving and the nature of proof in mathematics and the mathematics classroom; history of the development of mathematics; a variety of mathematical topics such as algebraic structures, discrete mathematics, fractals and chaos, etc.; examination and exploration of mathematical topics that are appropriate and necessary for middle school students to ensure their efficient transition into secondary mathematics. A constant awareness of the use and impact of technology upon the mathematician and the mathematics classroom is explored and integrated throughout the course. The course experience is culminated in the final project, which will be an original, independent investigating of some relevant mathematical topic of interest to the student. This course cannot be used as a mathematics elective for the mathematics major or minor.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**MTH 493 Supervised Teaching (Secondary Mathematics)**

*Prerequisite: MTH 409 and MTH 410 and MTH 411; and a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in MTH 494.*

The student observes, then teaches mathematics classes under the direction of the cooperating teacher and the university supervisor. The student also participates in professional activities of a teacher, attends all required university meetings, and completes all required university assignments. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MTH 494 Supervised Teaching (Secondary Mathematics)**

*Prerequisite: concurrent enrollment in MTH 493.*

The student observes, then teaches mathematics classes under the direction of the cooperating teacher and the university supervisor. The student also participates in professional activities of a teacher, attends all required university meetings, and completes all required university assignments. Course will not count toward the major GPA. Supplemental course fee. Public Affairs Capstone Experience course.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MTH 496 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MTH 497 Topics**

*Prerequisite: 90 hours.*

Recommended Prerequisite: completion of or concurrent enrollment in all mathematics courses required for the mathematics major. A written paper on a mathematical topic will be required. The student will be exposed to elementary research topics and to professional opportunities including graduate programs, employment by business, industry and government, and teaching options. Each student will be required to take the mathematics major assessment exam. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 503 Advanced Calculus I**

*Prerequisite: MTH 280 and MTH 315.*

Concepts of limit, continuity, differentiation, Riemann integration, sequences and series, other related topics. May be taught concurrently with MTH 603. Cannot receive credit for both MTH 603 and MTH 503. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 504 Advanced Calculus II**

*Prerequisite: MTH 302 and MTH 503.*

This is a continuation of MTH 503, including sequences and series of functions, uniform convergence, multivariate calculus, and other selected topics. May be taught concurrently with MTH 604. Cannot receive credit for both MTH 604 and MTH 504.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 506 Theory of Functions of a Complex Variable**

*Prerequisite: MTH 280 and MTH 315.*

Theory of elementary functions-polynomial, trigonometric, exponential, hyperbolic, logarithmic-of a complex variable; their derivatives, integrals; power series; other selected topics. May be taught concurrently with MTH 605. Cannot receive credit for both MTH 605 and MTH 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 507 Introduction to Partial Differential Equations**

*Prerequisite: MTH 302 and MTH 303 and MTH 315.*

Introduction to linear first and second order partial differential equations, including some formal methods of finding general solutions; the Cauchy problem for such equations, existence theorems, formal methods of finding the solution, and the role of characteristics; the classical boundary and initial value problems for the wave equation, heat equation and the boundary value problems for Laplace's equation. May be taught concurrently with MTH 607. Cannot receive credit for both MTH 607 and MTH 507.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 510 High School Mathematics from an Advanced Perspective**

*Prerequisite: permission of instructor.*

The focus of the course will be on relating what the mathematics students have learned in upper-level courses to what they will be teaching when they are in the high school classroom. The students' ability to reason and problem-solve mathematically and to model real-world problems in a mathematical context will be developed so they will be able to pass these abilities on to their own students. If there is a sufficient demand, an online component may be offered. Credited only on the BSEd (secondary). Cannot be taken Pass/Not Pass. May be taught concurrently with MTH 611. Cannot receive credit for both MTH 510 and MTH 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 532 Introduction to Abstract Algebra**

*Prerequisite: MTH 302 and MTH 315.*

It is recommended that students not take MTH 532 before taking MTH 333. Theory of groups, rings, integral domains, fields, polynomials. May be taught concurrently with MTH 631. Cannot receive credit for both MTH 631 and MTH 532. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 534 Advanced Linear Algebra**

*Prerequisite: MTH 315 and MTH 333.*

Topics may include eigenvalue problems; Jordan normal form, linear functionals, bilinear forms, quadratic forms, orthogonal and unitary transformations, Markov processes, and other topics selected by the instructor. May be taught concurrently with MTH 634. Cannot receive credit for both MTH 634 and MTH 534.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 536 Theory of Numbers**

*Prerequisite: MTH 302 and MTH 315.*

Factorization, Euler totient function, congruences, primitive roots, quadratic residues and reciprocity law. May be taught concurrently with MTH 636. Cannot receive credit for both MTH 636 and MTH 536.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 537 Applied Abstract Algebra**

*Prerequisite: MTH 333 or MTH 532.*

Topics typically include finite fields, block designs, error-correcting codes (nonlinear, linear, cyclic, BCH, and Reed-Solomon codes), cryptography, and computer implementation of these applications. May be taught concurrently with MTH 637. Cannot receive credit for both MTH 637 and MTH 537.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 540 Statistical Theory I**

*Prerequisite: MTH 302 and MTH 315.*

Random variables, discrete and continuous probability functions, expectation, moment-generating functions, transformation of variables. May be taught concurrently with MTH 640. Cannot receive credit for both MTH 640 and MTH 540. Public Affairs Capstone Experience course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 541 Statistical Theory II**

*Prerequisite: MTH 540 or equivalent.*

Estimation, complete and sufficient statistics, maximum likelihood estimation, hypothesis testing, nonparametric statistics. May be taught concurrently with MTH 643. Cannot receive credit for both MTH 643 and MTH 541.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 543 Stochastic Modeling**

*Prerequisite: MTH 540.*

This course will study applications of probability and statistics from a modeling point of view. Topics include generating functions, branching processes, discrete time Markov chains, classification of states, estimation of transition probabilities, continuous time Markov Chains, Poisson processes, birth and death processes, renewal theory, queuing systems, Brownian motion, and stationary processes. Computer statistical packages will be used. May be taught concurrently with MTH 653. Cannot receive credit for both MTH 653 and MTH 543.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 545 Applied Statistics**

*Prerequisite: 60 hours and completion of General Education Mathematics Requirement.*

A course on statistical concepts, methods and data analysis with emphasis on assumptions and effects on violating those assumptions. Computer statistical packages will be used. Topics include statistical models, random sampling, normal distribution, estimation, confidence intervals, tests and inferences in single and two populations, and n-way analysis of variance. May be taught concurrently with MTH 645. Cannot receive credit for both MTH 645 and MTH 545.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 546 Analysis of Variance and Design of Experiments**

*Prerequisite: MTH 345 or MTH 541 or MTH 545.*

Topics include analysis of variance, estimation of variance components, randomized incomplete blocks, Latin squares, factorial nested, split-plot designs, fixed, random and mixed models. May be taught concurrently with MTH 646. Cannot receive credit for both MTH 646 and MTH 546.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 547 Applied Regression Analysis**

*Prerequisite: MTH 345 or MTH 541 or MTH 545.*

Topics include fitting a straight line, matrix models, residuals, selecting best equation, multiple regression, and nonlinear estimation. May be taught concurrently with MTH 647. Cannot receive credit for both MTH 647 and MTH 547.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 548 Applied Time Series Analysis**

*Prerequisite: MTH 540; and MTH 345 or MTH 541 or MTH 545.*

This course will study the analysis of data observed at different points of time. Topics include stationary and non-stationary time series models, linear time series models, autoregressive models, autocorrelations, partial autocorrelations, moving average models, ARMA models, ARIMA models, forecasting, prediction limits, model specification, least square estimation, and seasonal time series models. Computer statistical packages will be used. May be taught concurrently with MTH 648. Cannot receive credit for both MTH 648 and MTH 548.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 567 Introduction to Non-Euclidean Geometry**

*Prerequisite: MTH 302 and MTH 315.*

Development of non-Euclidean geometries; intensive study of hyperbolic geometry. May be taught concurrently with MTH 667. Cannot receive credit for both MTH 667 and MTH 567.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 570 Combinatorial Analysis**

*Prerequisite: MTH 280 and MTH 315.*

An introduction to combinatorial analysis including enumeration methods, combinatorial identities with applications to the calculus of finite differences and difference equations. May be taught concurrently with MTH 670. Cannot receive credit for both MTH 670 and MTH 570.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 575 History of Mathematics**

*Prerequisite: MTH 302 and MTH 315.*

Development of mathematics through the calculus; solution of problems of historical interest, problems which use historically significant techniques; problems whose solutions illuminate significant mathematical characteristics of elementary mathematics. May be taught concurrently with MTH 675. Cannot receive credit for both MTH 675 and MTH 575.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 580 Applied Mathematics**

*Prerequisite: MTH 303 and MTH 333.*

An introduction to several areas of applied mathematics including control theory, optimization, modeling of population dynamics, modeling of mathematical economics, minimax and game theory, and calculus of variations. May be taught concurrently with MTH 680. Cannot receive credit for both MTH 680 and MTH 580.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 582 Introductory Topology**

*Prerequisite: MTH 302 and MTH 315.*

Properties of abstract metric and topological spaces; discussion of concepts of compactness and connectedness. May be taught concurrently with MTH 682. Cannot receive credit for both MTH 682 and MTH 582.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 596 Readings**

*Prerequisite: permission of department head.*

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with MTH 696. Cannot receive credit for both MTH 696 and MTH 596.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MTH 603 Advanced Calculus I**

*Prerequisite: MTH 280 and MTH 315.*

Concepts of limit, continuity, differentiation, Riemann integration, sequences and series, other related topics. May be taught concurrently with MTH 503. Cannot receive credit for both MTH 503 and MTH 603.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 604 Advanced Calculus II**

*Prerequisite: MTH 302; and MTH 503 or MTH 603.*

This is a continuation of MTH 603, including sequences and series of functions, uniform convergence, multivariate calculus, and other selected topics. May be taught concurrently with MTH 504. Cannot receive credit for both MTH 504 and MTH 604.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 605 Theory of Functions of a Complex Variable**

*Prerequisite: MTH 280 and MTH 315.*

Theory of elementary functions-polynomial, trigonometric, exponential, hyperbolic, logarithmic-of a complex variable; their derivatives, integrals; power series; other selected topics. May be taught concurrently with MTH 506. Cannot receive credit for both MTH 506 and MTH 605.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 607 Introduction to Partial Differential Equations**

*Prerequisite: MTH 302 and MTH 303 and MTH 315.*

Introduction to linear first and second order partial differential equations, including some formal methods of finding general solutions; the Cauchy problem for such equations, existence theorems, formal methods of finding the solution, and the role of characteristics; the classical boundary and initial value problems for the wave equation, heat equation and the boundary value problems for Laplace's equation. May be taught concurrently with MTH 507. Cannot receive credit for both MTH 507 and MTH 607.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 611 High School Mathematics from an Advanced Perspective**

*Prerequisite: permission of instructor.*

The focus of the course will be on relating what the mathematics students have learned in upper-level courses to what they will be teaching when they are in the high school classroom. The students' ability to reason and problem-solve mathematically and to model real-world problems in a mathematical context will be developed so they will be able to pass these abilities on to their own students. If there is a sufficient demand, an online component may be offered. May be taught concurrently with MTH 510. Cannot receive credit for both MTH 611 and MTH 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 631 Introduction to Abstract Algebra**

*Prerequisite: MTH 302 and MTH 315.*

Theory of groups, rings, integral domains, fields, polynomials. May be taught concurrently with MTH 532. Cannot receive credit for both MTH 532 and MTH 631.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 634 Linear Algebra II**

*Prerequisite: MTH 333.*

Topics include eigenvalue problems; Jordan normal form, linear functionals, bilinear forms, quadratic forms, orthogonal and unitary transformations, Markov processes, and other topics selected by the instructor. May be taught concurrently with MTH 534. Cannot receive credit for both MTH 534 and MTH 634.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 636 Theory of Numbers**

*Prerequisite: MTH 302 and MTH 315.*

Factorization, Euler totient function, congruences, primitive roots, quadratic residues and reciprocity law. May be taught concurrently with MTH 536. Cannot receive credit for both MTH 536 and MTH 636.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 637 Applied Abstract Algebra**

*Prerequisite: MTH 333 or MTH 532 or MTH 632.*

Topics typically include finite fields, block designs, error-correcting codes (nonlinear, linear, cyclic, BCH, and Reed-Solomon codes), cryptography, and computer implementation of these applications. May be taught concurrently with MTH 537. Cannot receive credit for both MTH 537 and MTH 637.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 640 Statistical Theory I**

*Prerequisite: MTH 302 and MTH 315.*

Random variables, discrete and continuous probability functions, expectation, moment-generating functions, transformation of variables. May be taught concurrently with MTH 540. Cannot receive credit for both MTH 540 and MTH 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 643 Statistical Theory II**

*Prerequisite: MTH 540 or MTH 640 or equivalent.*

Estimation, complete and sufficient statistics, maximum likelihood estimation, hypothesis testing, nonparametric statistics. May be taught concurrently with MTH 541. Cannot receive credit for both MTH 541 and MTH 643.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 645 Applied Statistics**

A course on statistical concepts, methods and data analysis with emphasis on assumptions and effects on violating those assumptions. Computer statistical packages will be used. Topics include statistical models, random sampling, normal distribution, estimation, confidence intervals, tests and inferences in single and two populations, and n-way analysis of variance. May be taught concurrently with MTH 545. Cannot receive credit for both MTH 545 and MTH 645.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 646 Analysis of Variance and Design of Experiments**

*Prerequisite: MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.*

Topics include analysis of variance, estimation of variance components, randomized incomplete blocks, Latin squares, factorial nested, split-plot designs, fixed, random and mixed models. May be taught concurrently with MTH 546. Cannot receive credit for both MTH 546 and MTH 646.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 647 Applied Regression Analysis**

*Prerequisite: MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.*

Topics include fitting a straight line, matrix models, residuals, selecting best equation, multiple regression, and nonlinear estimation. May be taught concurrently with MTH 547. Cannot receive credit for both MTH 547 and MTH 647.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 648 Applied Time Series Analysis**

*Prerequisite: MTH 540 or MTH 640; and MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.*

This course will study the analysis of data observed at different points of time. Topics include stationary and non-stationary time series models, linear time series models, autoregressive models, autocorrelations, partial autocorrelations, moving average models, ARMA models, ARIMA models, forecasting, prediction limits, model specification, least square estimation, and seasonal time series models. Computer statistical packages will be used. May be taught concurrently with MTH 548. Cannot receive credit for both MTH 548 and MTH 648.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MTH 653 Stochastic Modeling**

*Prerequisite: MTH 540 or MTH 640.*

This course will study applications of probability and statistics from a modeling point of view. Topics include generating functions, branching processes, discrete time Markov chains, classification of states, estimation of transition probabilities, continuous time Markov Chains, Poisson processes, birth and death processes, renewal theory, queuing systems, Brownian motion, and stationary processes. Computer statistical packages will be used. May be taught concurrently with MTH 543. Cannot receive credit for both MTH 543 and MTH 653.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 667 Introduction to Non-Euclidean Geometry**

*Prerequisite: MTH 302 and MTH 315.*

Development of non-Euclidean geometries; intensive study of hyperbolic geometry. May be taught concurrently with MTH 567. Cannot receive credit for both MTH 567 and MTH 667.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MTH 670 Combinatorial Analysis**

*Prerequisite: MTH 280 and MTH 315.*

An introduction to combinatorial analysis including enumeration methods, combinatorial identities with applications to the calculus of finite differences and difference equations. May be taught concurrently with MTH 570. Cannot receive credit for both MTH 570 and MTH 670.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 675 History of Mathematics**

*Prerequisite: MTH 302 and MTH 315.*

Development of mathematics through the calculus; solution of problems of historical interest, problems which use historically significant techniques; problems whose solutions illuminate significant mathematical characteristics of elementary mathematics. May be taught concurrently with MTH 575. Cannot receive credit for both MTH 575 and MTH 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 680 Applied Mathematics**

*Prerequisite: MTH 303 and MTH 333.*

An introduction to several areas of applied mathematics including control theory, optimization, modeling of population dynamics, modeling of mathematical economics, minimax and game theory, and calculus of variations. May be taught concurrently with MTH 580. Cannot receive credit for both MTH 580 and MTH 680.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 682 Introductory Topology**

*Prerequisite: MTH 302 and MTH 315.*

Properties of abstract metric and topological spaces; discussion of concepts of compactness and connectedness. May be taught concurrently with MTH 582. Cannot receive credit for both MTH 582 and MTH 682.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 696 Readings**

*Prerequisite: permission of department head.*

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with MTH 596. Cannot receive credit for both MTH 596 and MTH 696.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MTH 701 Real Analysis**

*Prerequisite: MTH 503 or MTH 603.*

Topics include countable and uncountable sets, convergence, Lebesgue measure on the real line, the development of the Lebesgue integral, the fundamental theorem of calculus and Lp spaces.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 702 Real and Abstract Analysis**

*Prerequisite: MTH 701.*

A study of the theory of abstract measures and integration, and an introduction to functional analysis.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 706 Complex Analysis**

*Prerequisite: MTH 503 or MTH 603.*

Analytic functions, power series, Cauchy's theorem and its applications, residues. Selected topics from conformal mapping, analytic continuation, harmonic functions, Fourier series, and Dirichlet problems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 710 Contemporary Mathematics for Secondary Teachers**

*Prerequisite: MTH 460 and MTH 333.*

Reports, research, and recent trends in secondary mathematics; recently developed programs in algebra and geometry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 721 Theory of Ordinary Differential Equations I**

*Prerequisite: MTH 303; and MTH 503 or MTH 603.*

Existence and uniqueness theorems for first order differential equations; system of linear and nonlinear differential equations; continuous dependence of solutions on initial conditions and parameters; behavior of solutions of equations with constant coefficients, study of Lyapunov's theorems on stability; introduction to boundary value problems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 722 Theory of Ordinary Differential Equations II**

*Prerequisite: MTH 721.*

Theory and application of boundary value problems; periodic solutions; linear systems with periodic coefficients (Floquet theory); two dimensional (autonomous) systems limit cycles. Differential equations under Caratheodory conditions; theory of differential and integral inequalities and other selected topics, if time permits.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 730 Abstract Algebra I**

*Prerequisite: MTH 532 or MTH 631; and MTH 333.*

Topics from group theory will include Cayley's Theorem, finite abelian groups, Cauchy's Theorem, the Sylow Theorems, and free groups.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 732 Abstract Algebra II**

*Prerequisite: MTH 730.*

Topics from ring theory will include the Chinese Remainder Theorem, Euclidean domains, rings of fractions, PID's and UFD's, and polynomial rings. Topics from field theory will include splitting fields, Galois Theory, separability, normality, and finite fields.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 741 Statistical Inference I**

*Prerequisite: MTH 540 or MTH 640 or equivalent.*

Formulation of statistical models, sufficiency and exponential families, methods of estimation, optimality theory. Uniformly minimum variance unbiased estimators, Fisher information, Cramer/Rao inequality, large sample theory, Bayes procedures and minimax procedures.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 742 Statistical Inference II**

*Prerequisite: MTH 741.*

Confidence intervals and regions, hypothesis testing, the Neyman-Pearson framework, uniformly most powerful tests, likelihood ratio criteria, power functions, similar regions, invariant tests, distribution free tests.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 750 Number and Operations for Elementary Mathematics Specialists**

*Prerequisite: Two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 730.*

This course is designed to develop an understanding of the learning and teaching of pre-number concepts, counting and cardinality, and numbers and operations in base ten. Emphasis will be given to how children think about and learn these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 752 Rational Numbers and Proportional Thinking for Elementary Mathematics Specialists**

*Prerequisite: MTH 750 and permission of program coordinator; and concurrent enrollment in ELE 732.*

This course is designed to develop an understanding of the learning and teaching of rational numbers and ratio and proportional relationships. Emphasis will be given to how children think about and learn these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 754 Algebraic Reasoning for Elementary Mathematics Specialist**

*Prerequisite: two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 734.*

This course will focus on the content and complexities of teaching and assessing algebraic reasoning in grade 1-6 settings. Course content will include examination of representation and analysis of mathematical situations and structures. Attention will be given to patterns, functions, and the transition from arithmetic to algebra. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 758 Data and Probability for Elementary Mathematics Specialist**

*Prerequisite: two years teaching experience and permission of program coordinator.*

This course is designed to develop understanding of probabilistic reasoning and the collection, exploration, and analysis of data. Emphasis will be given to how children think and learn about these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 760 Geometry and Measurement for Elementary Mathematics Specialist**

*Prerequisite: two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 738.*

This course is designed to develop an understanding of the teaching and learning of geometry and measurement. Emphasis will be given to how children think about and learn these concepts and how they fit into an elementary curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 781 Topology**

Point set topology in abstract spaces.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 791 Seminar I**

Seminar in Mathematics.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 792 Seminar II**

Seminar in Mathematics.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**MTH 796 Science Internship**

Completion of an internship project (at least 80 hours per credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree. This course may only be counted toward the PSM designation of the MNAS degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**MTH 797 Topics**

*Prerequisite: permission of department head.*

Material covered determined by the interests and backgrounds of the students. May be repeated for a maximum of 6 hours.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**MTH 798 Research**

Supervised research in special areas of mathematics. May be repeated. Cannot be counted toward the MSEd degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**MTH 799 Projects**

Independent research for thesis preparation.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

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# Mathematics

## Major(s)

### Mathematics (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements

1. MTH 261(5), 280(5), 302(3), 315(3), 333(3), 497(1), 503(3), 532(3), 540(3)
2. Select an additional course from: MTH 303(3), 421(3), 575(3), or from mathematics courses numbered 400 or higher.
3. Course required from related area: CSC 121(3) or 125(4) or 130(3)
4. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).

C. Minor Required (or second major)

D. Specific Bachelor of Arts Degree Requirements

E. General Baccalaureate Degree Requirements

### Mathematics (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 333(3), 497(1), 503(3), 532(3), 540(3)
2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
3. Select one of the following options:
   a. **Actuarial Mathematics:**

1. MTH 450(3), 541(3)

2. Select an additional six hours from the following courses: MTH 543(3), 546(3), 547(3), 548(3)

3. A minor in Insurance is recommended

b. **Applied Mathematics:**
   1. MTH 421(3), 580(3)

   2. Select an additional six hours from the following courses: MTH 422(3), 507(3), 537(3), 543(3), 570(3)

c. **General Mathematics:**
   1. MTH 421(3) or 541(3)

   2. Select an additional nine hours from mathematics courses numbered 400 or higher

d. **Statistics:**
   1. MTH 541(3)

   2. Select an additional nine hours from the following courses: MTH 543(3), 545(3), 546(3), 547(3), 548(3)

4. Courses required from related areas: CSC 125(4) or 130(3); PHY 203(5) (PHY 203 may partially fulfill the Natural World general education requirement.)

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

## Mathematics (Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements

B. Major Requirements

1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 333(3), 497(1), 503(3), 532(3), 540(3); MTH 421(3) or 541(3)

2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3),

532(3), and 540(3).

3. Select an additional 18 hours from mathematics courses numbered 400 or higher. The comprehensive major is individualized. Selection of courses for the additional 18 hours shall be made in conference with the advisor and is subject to approval by the department head. Students are encouraged to elect courses from other disciplines to enhance the comprehensive major.

4. Courses required from related areas: CSC 125(4) or 130(3); PHY 203(5) (PHY 203 may partially fulfill the natural world general education requirement.)

C. General Baccalaureate Degree Requirements

## Minor(s)

### Mathematics

Bachelor of Arts
Bachelor of Science

A. MTH 261(5), 280(5); 215(3) or 315(3)

B. Additional mathematics courses numbered 300 or higher, other than MTH 315, to total at least 15 hours.

### Mathematics

Bachelor of Science in Education (Non-Certifiable)

A. MTH 261(5), 280(5), 315(3), 575(3)

B. Select one course from: CSC 121(3), 125(4), 131(4)

C. Select one course from: MTH 460(3), 567(3)

D. Select additional mathematics courses numbered 300 or above to total at least 24 hours.

## Accelerated graduate program in Mathematics

Eligible Missouri State undergraduate students may apply for admission to the mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Secondary Education/Mathematics

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/Mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Mathematics Education

## Major(s)

### Mathematics

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements

B. Major Requirements

1. MTH 261(5), 280(5), 302(3), 315(3), 333(3), 345(3), 460(3), 532(3), 575(3)
2. Select two courses from: MTH 503(3), 510(3), 536(3), 540(3), 567(3)
3. Courses required from related areas: CSC 121(3) or 125(4) or 130(3); PHY 123(4) or 203(5)
4. Public Affairs Capstone Experience will be fulfilled by completion of MTH 493(5-6) and 494(5-6).

C. Professional Education Requirements. Note: A grade of “C” or better in each course is required for state certification.

1. MTH 409(3), 410(3), 411(3), 493(5-6), 494(5-6)
2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B

3. at least a 3.00 GPA in any additional certificate subject area

4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Accelerated graduate program in Mathematics

Eligible Missouri State undergraduate students may apply for admission to the mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Secondary Education/Mathematics

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/Mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Physics, Astronomy and Materials Science

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Astronomy (Minor)

Computational Science (certificate)

Environmental Physics Technology (Minor)

Physics (BS Major, Minor)+

Physics Education (BSEd)+

### Graduate

Materials Science (MS)+

Natural and Applied Science degree with an area of emphasis in Physics (MNAS)+

Secondary Education with option in Physics (MSEd)

## Accreditations

- Missouri Department of Elementary and Secondary Education – Physics Education (BSEd); Secondary Education/Physics (MSEd)
- Council for the Accreditation of Educator Preparation – Physics Education (BSEd); Secondary Education/Physics (MSEd)

## Contact

**Department head**

David M. Cornelison, PhD

**Office**

Kemper Hall, Room 101

## General Information

### Pre-engineering preparation

Missouri State University offers a cooperative engineering program in conjunction with Missouri University of Science and Technology in Rolla, Missouri. Only students residing in a sixteen-county area of southwest Missouri qualify for this program. Refer to the Engineering Program section of catalog for more information. Students who wish to pursue engineering, but do not meet the geographic requirements for the cooperative program, may take two years of foundation courses at Missouri State. The Departments of Mathematics and Physics, Astronomy and Materials Science jointly offer a two-year plan to meet the needs of these students, who must transfer later to complete a four-year degree in engineering. Contact either department for details.

### Baker Observatory

The William G. and Retha Stone Baker Observatory is located approximately ten miles northwest of Marshfield in Webster County (off Missouri Highway 38 on Hillcrest Road.) The observatory is used on clear evenings for laboratory work by students in beginning and intermediate astronomy courses, and by advanced undergraduate students and faculty conducting astronomical research. The observatory houses several small telescopes and two large instruments—a 0.36 meter Celestron Schmidt Cassegrain telescope and a professional model 0.4 meter Cassegrain reflecting telescope on loan from Cerro Tololo Inter-American Observatory in Chile. The public may visit the observatory during open houses that are conducted by the department twice each year, in April or May, and in September or October.

## Program requirements and restrictions

### Mathematical preparation

The mathematical preparation (or lack thereof) in high school strongly governs the point at which a student should begin a

**Phone**

417-836-5131

**Fax**

417-836-6226

**Email**

Physics@missouristate.edu

**Website**

physics.missouristate.edu

physics major. Since there are at least six different levels of beginning students in this discipline, it is imperative that these students consult a member of the physics staff as soon as possible, preferably before their first semester in attendance.

## Dated courses

Courses taken more than 10 years before graduation are subject to review and possible rejection by the department faculty.

# Physics, Astronomy, and Materials Science Faculty

## Distinguished professor

Robert A. Mayanovic, PhD

## Professors

David M. Cornelison, PhD

Kartik Ghosh, PhD

Shyang Huang, PhD

Saibal Mitra, PhD

Robert S. Patterson, PhD

Emmett R. Redd, PhD

Michael D. Reed, PhD

## Associate professor

Ridwan Sakidja, PhD

## Assistant professor

Evan Frodermann, PhD

## Senior instructor

Rebecca Baker, MS

## Emeritus faculty

Betty L. Bitner, EdD

David L. Carleton, MS

Ryan E. Giedd, PhD

Kandiah Manivannan, PhD

Howard M. Petefish, PhD

Bruno F. Schmidt, PhD

William E. Thomas, PhD

Robert E. Thurman, PhD

Robert J. Whitaker, PhD

George W. Wolf, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Physics, Astronomy, and Materials Science Courses

## Astronomy (AST) courses

**AST 110 Astronomical Observations**

An introductory laboratory course stressing the techniques of astronomical observation and analysis of observed data. Students will have an opportunity to use telescopes and instruments at the Baker Observatory.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**AST 111 Astronomical Frontiers**

A general interest course which will explore in detail, but nonmathematically, current subject areas of astronomy and astrophysics, such as quasars, black holes, and the origin of the universe, which attract the greatest attention in the media and among the general public.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AST 112 Life in the Universe**

An exploration of the prospects for life on other worlds and what that detection, or non-detection, means to humanity. Topics include the origin of elements in the Universe and how they form the building blocks of life, how conditions favorable for life can occur on planets, how life evolves, recent discoveries of exoplanets, and possible effects of the discovery of extraterrestrial life on society.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AST 113 Modern Astronomy**

*General Education Course (Focus on Physical Sciences).*

An introduction to our present knowledge of the nature of the universe, the galaxies, the stars, and the planets. A description of the natural laws and physical observations which are leading us to an understanding of our place in the cosmos. May only receive credit for one of AST 113, AST 114, or AST 115.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AST 114 Survey of Astronomy**

*General Education Course (Focus on Physical Sciences).*

Historical and descriptive aspects of astronomy; topics of current interest related to space science. May only receive credit for one of AST 113, AST 114, or AST 115.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AST 115 Basic Astronomy**

*General Education Course (Focus on Physical Sciences).*

Historical and descriptive aspects of astronomy; topics of current interest related to space science. Laboratory consists of observations with telescopes and of experiments pertinent to the field. May only receive credit for one of AST 113, AST 114, or AST 115. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AST 311 Astronomical Techniques**

*Prerequisite: MTH 135; and either AST 114 or AST 115.*

Intermediate level course; actual techniques of astronomical observation, methods of analysis of these observations, possible interpretations of acquired data. In laboratory, each student obtains observations for study in spectroscopy, photometry, photography, and CCD imaging.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AST 313 The New Solar Systems**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 138 or above.*

A modern inquiry of the planets, comets, asteroids, and other members of our solar system and the planets of other stellar systems, based on recent interplanetary explorations and Earth-based observations. May only receive credit for one of AST 313, AST 513, or AST 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**AST 315 The Lives and Deaths of Stars**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 138 or above.*

The structure of stars, processes at work in stellar atmospheres, the formation process, and the evolution of stars into white dwarfs, neutron stars, or black holes. May only receive credit for one of AST 315, AST 515, and AST 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**AST 317 Our Universe, the Final Frontier**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 138 or above.*

Modern views on the structure of the Universe: its past, present, and future. Topics include the structure and content of our Galaxy and other galaxies, clusters of galaxies, the Big Bang theory (including Inflation), and the eventual fate of our Universe. May only receive credit for one of AST 317, AST 517, and AST 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**AST 513 Solar and Extra-Solar Systems**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.*

Formation of planetary systems, planetary dynamics, and comparative planetology. Project required. May be taught concurrently with AST 313 and/or AST 613. May only receive credit for one of AST 313, AST 513, and AST 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**AST 515 Stellar Structure and Evolution**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.*

Basic concepts of stellar structure, atmospheres, and evolution. Project required. May be taught concurrently with AST 315 and/or AST 615. May only receive credit for one of AST 315, AST 515, and AST 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**AST 517 Galaxies and Cosmology**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.*

Study of galaxies and the Universe. Topics include the structure and content of our Galaxy and other galaxies, clusters of galaxies, the Big Bang theory (including Inflation), and the eventual fate of our Universe. Project required. May be taught concurrently with AST 317 and/or 617. May only receive credit for one of AST 317, AST 517, and AST 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**AST 613 Solar and Extra-Solar Systems**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.*

Formation of planetary systems, planetary dynamics, and comparative planetology. Project required. May be taught concurrently with AST 313 and/or AST 513. May only receive credit for one of AST 313, AST 513, and AST 613.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**AST 615 Stellar Structure and Evolution**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.*

Basic concepts of stellar structure, atmospheres, and evolution. Project required. May be taught concurrently with AST 315 and/or AST 615. May only receive credit for one of AST 315, AST 515, and AST 615.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**AST 617 Galaxies and Cosmology**

*Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.*

Study of galaxies and the Universe. Topics include the structure and content of our Galaxy and other galaxies, clusters of galaxies, the Big Bang theory (including Inflation), and the eventual fate of our Universe. Project required. May be taught concurrently with AST 317 and/or 617. May only receive credit for one of AST 317, AST 517, and AST 617.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**AST 711 Astronomy for Teachers**

Theory and techniques of observational astronomy.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**AST 719 Advanced Astronomical Techniques**

Advanced astronomical observational techniques in imaging, photometry, spectroscopy, and astrometry. Techniques of data and error analysis. Laboratory portion will include obtaining and analyzing observational data.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall (odd-numbered years)
Projected offerings

## Materials Science (MAT) courses

**MAT 509 Special Topics in Materials Science**

*Prerequisite: permission of instructor.*

Variable content, variable credit course. Topics to be chosen from current areas of interest in Materials Science. May be repeated to a total of 6 hours with a different topic. May be taught concurrently with MAT 609. Cannot receive credit for both MAT 609 and MAT 509.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MAT 540 Thermodynamics of Materials**

*Prerequisite: PHY 343 or CHM 506.*

Review of classical thermodynamics, equilibrium in thermodynamic systems, the statistical interpretation of entropy, unary and multi-component systems, thermodynamics of phase diagrams and phase equilibrium. May be taught concurrently with MAT 640. Cannot receive credit for both MAT 540 and MAT 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MAT 550 Introduction to Materials Science**

*Prerequisite: PHY 375 or CHM 507.*

Investigation of the relationships that exist between the structure, properties, processing and performance of materials. Different types of materials will be studied with a special emphasis on polymers and semiconductors. Structure-property correlations, including electronic, thermal, and mechanical properties, will be presented for these materials. May be taught concurrently with MAT 651. Cannot receive credit for both MAT 550 and MAT 651.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MAT 580 Structure of Solids**

*Prerequisite: PHY 575 or CHM 507.*

Review of quantum mechanics, followed by an in-depth study of crystal structures, energy band structures in solids, lattice dynamics, and a survey of the physical properties of solids. May be taught concurrently with MAT 681. Cannot receive credit for both MAT 580 and MAT 681.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MAT 609 Special Topics in Materials Science**

*Prerequisite: permission of instructor.*

Variable content course. Topics to be chosen from current areas of interest in Materials Science. May be repeated to a total of 6 hours with a different topic. May be taught concurrently with MAT 509. Cannot receive credit for both MAT 509 and MAT 609.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**MAT 640 Thermodynamics of Materials**

*Prerequisite: PHY 343 or CHM 506 or CHM 606.*

Review of classical thermodynamics, equilibrium in thermodynamic systems, the statistical interpretation of entropy, unary and multi-component systems, thermodynamics of phase diagrams and phase equilibrium. May be taught concurrently with MAT 540. Cannot receive credit for both MAT 540 and MAT 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MAT 651 Introduction to Materials Science**

*Prerequisite: PHY 375 or CHM 507 or CHM 607.*

Investigation of the relationships that exist between the structure, properties, processing and performance of materials. Different types of materials will be studied with a special emphasis on polymers and semiconductors. Structure-property correlations, including electronic, thermal, and mechanical properties, will be presented for these materials. May be taught concurrently with MAT 550. Cannot receive credit for both MAT 550 and MAT 651.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MAT 681 Structure of Solids**

*Prerequisite: PHY 375 or CHM 507 or CHM 607.*

Review of quantum mechanics, followed by an in-depth study of crystal structures, energy band structures in solids, lattice dynamics, and a survey of the physical properties of solids. May be taught concurrently with MAT 580. Cannot receive credit for both MAT 580 and MAT 681.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**MAT 720 Advanced Quantum Mechanics**

Advanced topics in quantum mechanics including variational methods, approximation techniques, time-independent and time-dependent perturbation theory, second quantization, and the interactions of light with matter.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MAT 750 Experimental Design**

Laboratory techniques necessary for the development of instrumentation. Topics will include elementary computer interfacing, prototype design, mechanical and electronic construction, and reliability testing. The student will develop, design and build a test instrument and study each of the above topics during this process.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**MAT 758 Optoelectronic Materials**

Course includes the study of advanced electronic properties of materials, lattice dynamics, and a survey of the optical-electronic interactions in materials.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MAT 760 Experiments in Physical Characterization**

*Prerequisite: MAT 651.*

Laboratory techniques in electronic, optical, and thermal characterization of materials. Students will become familiar with equipment and procedures used in research and commercial laboratories.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MAT 770 Vapor Synthesis of Materials**

Experimental techniques in the vapor deposition of thin film materials used in the electronics industry. Some modification of the resulting films including chemical doping and ion implantation will also be studied. Experimental methods including computer control and analysis will be studied.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MAT 780 Polymer Preparation and Characterization**

Preparation of polymers, including the techniques of condensation polymerization, free radical polymerization, and if time permits, plasma polymerization. Characterization experiments will be viscosity measurements, differential scanning calorimetry, and thermal gravimetric analysis. Film preparation including spin coating, aspiration, and doctor blade systems will also be investigated.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**MAT 790 Statistical Applications in Materials Science**

Selective topics in materials science important to the design, testing, fabrication, and manufacture of materials whose underlying theme is mathematical modeling based in statistical methods. The topics include mass transport in solids, atomic diffusion on surfaces, adsorption and desorption on surfaces, epitaxial growth, degradation of materials, queuing theory, and operations research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**MAT 796 Science Internship**

Completion of an internship project (480 hours) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**MAT 798 Seminar in Materials Science**

*Prerequisite: candidate for the MS degree in Materials Science.*

Selected topics in materials science of a theoretical, experimental, or applied nature with an emphasis on recent developments and their impact. May be repeated for a maximum of 4 hours.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**MAT 799 Research in Materials Science**

*Prerequisite: permission.*

Supervised research in areas of materials science. May be repeated, but no more than 12 hours may be counted toward the MS degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

## Physics (PHY) courses

**PHY 100 Survey of Physics with Laboratory**

*General Education Course (Focus on Physical Sciences).*

Description of nature as seen by physicists; effects this description and new scientific discoveries will have on society. Laboratories consist of discussions of current relations between science and society, demonstration of precise experimental apparatus, some actual involvement with the experimental method. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PHY 101 Physics by Inquiry for Educators**

*Prerequisite: open only to Early Childhood, Elementary, Middle School, and Special Education majors.*

*General Education Course (Focus on Physical Sciences).*

Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary and middle school science lessons. Science content includes mechanics, optics, heat, electricity and magnetism, properties of materials. Students will increase their understanding of the nature of science. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**PHY 123 Introduction to Physics I**

*Prerequisite: MTH 287 or eligibility for enrollment in MTH 261.*

*General Education Course (Focus on Physical Sciences).*

An introduction to physical theories covering the content areas of mechanics, fluids, sound, and thermodynamics. A knowledge of the laws of Physics will help the student better understand the world and how these laws can be used to make informed decisions to improve society. A grade of "C" or better is required in this course to take PHY 124. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**PHY 124 Introduction to Physics II**

*Prerequisite: "C" grade or better in PHY 123.*

A continuation of PHY 123 in the content areas of electricity and magnetism, electronics, and optics.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**PHY 131 Mini Physics**

A course whose various sections treat physics or astronomy from a contemporary, historical and/or theoretical point of view. Students should check the current registration schedule to determine the topic associated with each section being offered. Course may be repeated, provided topic and title are different, to a total of 5 hours. Variable content course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PHY 141 Mini Physics Laboratory**

A laboratory course explaining the use of scientific equipment and experimental procedures. Students should check the current registration schedule to determine the topic and titles for any given semester. Since the content of this course varies from semester to semester, it may be repeated, provided the topic title is different, to a total of 5 hours. Variable content course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**PHY 152 Introductory Circuits-Survey of Electronics**

*Prerequisite: MTH 138 or MTH 181.*

Introduction and survey of Kirkoff's current and voltage laws, network analysis, and Thevenin's and Norton's theorems for complex impedances. Transfer functions, passive and active filters, and signal processing. Amplifiers, logic, number systems, and mixed-signal electronics. Laboratory experiences will feature oscilloscope measurements and analysis and introduction to circuit modeling software.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PHY 203 Foundations of Physics I**

*Prerequisite: MTH 261 (completed); or MTH 261 (concurrent enrollment) and ACT mathematics score equal to more than 29.*

*General Education Course (Focus on Physical Sciences).*

Students must be skilled in using the Microsoft Excel spreadsheet program (see the Department of Physics, Astronomy, and Materials Science for a list of required spreadsheet skills). First of two semesters in basic calculus physics. Lecture and laboratory topics covered include mechanics, waves, and thermodynamics. A grade of "C" or better is required in this course to take PHY 204. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**PHY 204 Foundations of Physics II**

*Prerequisite: C grade or better in PHY 203; and; either MTH 280 or MTH 288 or concurrent enrollment in MTH 280.*

Students must be skilled in using the Microsoft Excel spreadsheet program (see the Department of Physics, Astronomy, and Materials Science for a list of required spreadsheet skills). Continuation of PHY 203 with lecture and laboratories covering electricity, magnetism, and optics. Supplemental course fee.

**Credit hours:** 5
**Lecture contact hours:** 3
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**PHY 220 Introduction to Structure and Logic of Digital Computers**

*Prerequisite: eligibility for MTH 261.*

Introduction to the internal structures of digital computers; design of gates, flipflops, registers, and memories to perform operations on numerical and other data represented in binary form. Laboratory uses logical blocks for experiments with combinational and sequential networks and simple digital systems. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**PHY 233 Engineering Statics**

*Prerequisite: C grade or better in MTH 280 and in PHY 203.*

Application of mechanics to equilibrium problems; topics include principles of center of mass, resultant force, friction, moment of inertia, torque, etc. Course does not satisfy any requirement for a physics major or minor.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PHY 252 Introduction to Circuit Analysis**

*Prerequisite: MTH 280.*

A study of Kirkoff's current and voltage laws, resistive circuits with DC sources, network analysis by node voltages and mesh currents, Thevenin's and Norton's theorems, and first order circuits.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PHY 291 Introduction to Computational Physics**

*Prerequisite: MTH 280.*

Numerical and computer methods related to physics modeling and data analysis. Introduction of physics applications using symbolic, matrix, and spreadsheet software including programming. Programming applied directly to physical simulations. Recent advances in physics-related computing.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PHY 300 Service Learning in Physics**

*Prerequisite: 30 hours and concurrent registration in a Physics course designated as a service learning offering.*

This service component for an existing course incorporates community service with classroom instruction in Physics to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**PHY 324 Instrumental/Computer Interfacing**

*Prerequisite: PHY 152; and CSC 125 or other language by permission.*

An introduction to computer architecture, machine/assembly language programming, and peripheral interfacing. Topics include microprocessor operation, addressing modes, memory organization, microprocessor buses, reset and interrupts, parallel I/O, serial I/O, timers, and analog/digital conversions.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**PHY 333 Intermediate Mechanics**

*Prerequisite: PHY 203 and PHY 391 and MTH 303.*

Classical mechanics of particles. Topics include kinematics, dynamics, oscillations, central forces, conservation theorems, scattering, and an introduction to the Lagrangian and Hamiltonian formulations of mechanics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHY 343 Thermal Physics**

*Prerequisite: PHY 203; and MTH 302 or concurrent enrollment.*

The macroscopic laws of thermodynamics and the microscopic foundation for those laws. Topics include the microcanonical, canonical, and grand canonical ensembles; Maxwell-Boltzmann, Fermi-Dirac, and Bose-Einstein statistics; equation of state, thermodynamic potentials, Maxwell's relations, and phase transitions.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PHY 351 Circuit, Signals, and Controls**

*Prerequisite: PHY 152.*

Review of circuits. Transfer functions, passive and active filters, and signal processing. Amplifiers including classes, operational, differential and instrumentation, logic, number systems, and mixed-signal electronics. Digital and analog experimental sensing and control. Further use of circuit modeling software.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PHY 353 Electricity and Magnetism**

*Prerequisite: PHY 204 and PHY 391.*

An introduction to the theory of electric and magnetic fields and their sources. Topics include electrostatic and magnetostatic fields in a vacuum, electric potential, magnetic vector potential, electromagnetic fields, and Maxwell's equations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHY 373 Radiation Physics**

*Prerequisite: PHY 124 or PHY 204.*

Theory of and measurement techniques for electromagnetic and particulate radiation.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PHY 375 Modern Physics**

*Prerequisite: PHY 204; and MTH 302 or concurrent enrollment.*

An introduction to the major developments in physics during the twentieth century. Topics include the special theory of relativity, the experimental basis for quantum mechanics, wave-particle duality, introductory quantum mechanics of one-dimensional systems, nuclear physics, and elementary particle physics.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHY 385 Experiments in Modern Physics**

*Prerequisite: PHY 375.*

A study of basic experimental techniques, data analysis, and analysis of experimental errors. Laboratory experiments chosen from physical phenomena discovered in the twentieth century and may include photoelectric effect, Hall effect, Frank-Hertz experiment, electron spin resonance, and others. Public Affairs Capstone Experience course.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**PHY 386 Undergraduate Research I**

*Prerequisite: permission.*

An introduction to research that requires the selection of a suitable research project, completing a written feasibility study for the proposed project, and making all necessary preparations for the actual pursuit of the project in PHY 486. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**PHY 390 Interdisciplinary Topics in Physics**

*Prerequisite: permission.*

Topics of interdisciplinary nature; usually team-taught by members of the disciplines involved. Typical topics chosen from: space physics (e.g. lunar studies), chemical physics (e.g. spectroscopy), biophysics, geophysics, mathematical physics, etc. Since credit and topics vary, the course may be repeated to a total of 6 hours. Variable content course.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 391 Mathematics for Science and Engineering I**

*Prerequisite: MTH 302.*

A study of mathematical techniques widely used in science and engineering. Topics covered include series solutions to differential equations, Fourier series and transforms, vector calculus, matrix algebra, complex functions, and partial differential equations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PHY 392 Mathematics for Science and Engineering II**

*Prerequisite: PHY 391.*

A continuation of PHY 391 with topics selected from complex integration, numerical solutions to differential equations, special functions, probability distribution functions, and group theory.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHY 399 Cooperative Education in Physics**

*Prerequisite: acceptance into the Cooperative Education Program and permission.*

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. This is a variable content course that may be repeated to a total of 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 409 Selected Topics in Physics**

*Prerequisite: permission.*

Advanced topics in physics which may vary from year to year. Some typical topics: solid state, nuclear structure, plasmas, fluids, astrophysics, applied group theory. Inter-disciplinary topics such as atmospheric physics and spectroscopy might also be offered. Since credit and topics vary, the course may be repeated to a total of 6 hours. Variable content course.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 476 Introduction to Nuclear and Particle Physics**

*Prerequisite: PHY 375 and PHY 391 and MTH 303.*

Studies subatomic structure, basic constituents and their mutual interactions. Topics include nuclei, radioactivity, interactions of radiation with matter, particle detection, accelerators, nuclear models and reactions, and classification and interactions of quarks and other elementary particles.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**PHY 486 Undergraduate Research II**

*Prerequisite: PHY 386.*

A continuation of PHY 386 in which the feasibility study from PHY 386 and the research project outcome are to be combined in a written report following a format required for journal publication. An oral presentation of this work will be reviewed by the faculty. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**PHY 495 Readings in Physics**

*Prerequisite: permission of department head.*

Independent reading; topics not offered in regular courses. Course may be repeated to a total of 4 hours.

**Credit hours:** 1-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 499 Honors Project in Physics**

*Prerequisite: permission of department head.*

Enrollment limited to students of distinguished capability and industry. Students must consult with the physics and astronomy staff concerning their proposed problem prior to enrollment for this course. This course may be repeated to a total of 5 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 501 Physics and Astronomy By Inquiry**

*Prerequisite: 70 hours including PHY 101.*

This course is a continuation of PHY 101. Additional topics in mechanics, optics, heat, electricity and magnetism will be covered. The course will also include an introduction to Astronomy. Concepts will be explored using the inquiry approach. Will not count towards a major or minor in physics. May be taught concurrently with PHY 602. Cannot receive credit for both PHY 501 and PHY 602.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PHY 509 Special Topics in Physics and Astronomy**

*Prerequisite: permission.*

Variable content, variable credit course. Topics to be chosen from current areas of interest. May be repeated to a total of 6 hours with different topic. May be taught concurrently with PHY 609. Cannot receive credit for both PHY 609 and PHY 509.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 575 Quantum Mechanics**

*Prerequisite: PHY 375 or CHM 507.*

A mathematical development of the principles of quantum mechanics and their application to selected systems. Topics include Schrodinger's equation, operators, Heisenberg uncertainty principle, angular momentum, and applications, including the hydrogen atom. May be taught concurrently with PHY 675. Cannot receive credit for both PHY 575 and PHY 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHY 602 Physics and Astronomy By Inquiry**

*Prerequisite: PHY 101.*

This course is a continuation of PHY 101. Additional topics in mechanics, optics, heat, electricity and magnetism will be covered. The course will also include an introduction to Astronomy. Concepts will be explored using the inquiry approach. Will not count towards a major or minor in physics. May be taught concurrently with PHY 501. Cannot receive credit for both PHY 501 and PHY 602.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**PHY 609 Special Topics in Physics and Astronomy**

*Prerequisite: permission.*

Variable content, variable credit course. Topics to be chosen from current areas of interest. May be repeated to a total of 6 hours with different topic. May be taught concurrently with PHY 509. Cannot receive credit for both PHY 609 and PHY 509.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 675 Quantum Mechanics**

*Prerequisite: PHY 375 or CHM 607.*

A mathematical development of the principles of quantum mechanics and their application to selected systems. Topics include Schrodinger's equation, operators, Heisenberg uncertainty principle, angular momentum, and applications, including the hydrogen atom. May be taught concurrently with PHY 575. Cannot receive credit for both PHY 575 and PHY 675.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**PHY 701 Workshop on Topical Issues in Science Education**

*Prerequisite: permission.*

Workshop to upgrade understanding of selected topics in science, and improve elementary, middle school and/or secondary science teaching. Each workshop will include performance and analysis of appropriate investigations to enhance understanding of the selected topics. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a maximum of 6 hours provided the topics are different.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**PHY 785 Physics Laboratory for Teachers**

*Prerequisite: permission.*

Performance and analysis of secondary laboratory experiments in physics.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**PHY 790 Seminar in Physics**

*Prerequisite: permission.*

Extensive paper on agreed topic in physics or astronomy to be read before staff seminars. May be repeated to a total of 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**PHY 796 Science Internship**

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**PHY 799 Research in Natural and Applied Sciences**

*Prerequisite: permission of department head.*

Supervised research in the natural and applied sciences. May be repeated, but no more than 12 hours may be counted toward the masters degree. Cannot be applied toward the MS degree in Materials Science.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

# Astronomy

## Minor(s)

### Astronomy

Bachelor of Arts
Bachelor of Science

A. AST 113(3) or 114(4) or 115(4); 311(3)

B. Complete two of the following: AST 313(3), 315(3), 317(3)

C. Complete additional physics or astronomy courses to bring total to 18 hours with no more than 10 hours of courses numbered below 300. Recommended electives: AST 110(1) if AST 113(3) or 114(4) was taken; PHY 123(4), 124(4), 386(1), 486(1)

# Computational Science Certificate

## Computational Science

This certificate provides students with a background in the application of computer code to the solution of problems of interest to those in science, mathematics, or engineering. Physical processes that are intractable to an analytical approach, can be studied and simulated using the algorithms and techniques developed in this certificate program.

### Program requirements (18 hours)

A. PHY 291(3); CSC 125(4); MTH 421(3) or CSC 421(3); MTH 422(3) or CSC 422(3)

B. 5 hours of electives approved by certificate advisor

# Environmental Physics Technology

## Minor(s)

### Environmental Physics Technology

Bachelor of Science

A. PHY 123(4), 124(4), 351(3), 373(3)

B. CHM 116(4) and 117(1), or CHM 160(4); GRY 135(4)

# Physics

## Major(s)

### Physics (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: PHY 203(5), MTH 261(5), ENG 321(3)

B. Major Requirements

   1. PHY 152(3), 204(5), 291(3), 333(3), 343(3), 353(3), 375(3), 385(2), 386(1), 391(3), 486(1)

   2. Public Affairs Capstone Experience will be fulfilled by completion of PHY 385(2), 386(1) and 486(1).

   3. Select one of the following option areas:

      a. **Astronomy and Astrophysics:** AST 113(3), 114(4) or 115(4); and select two courses from: AST 311(3), 313(3), 315(3), 317(3)

      b. **Engineering and Applied Physics:** PHY 220(4), 324(4), 351(3)

      c. **Materials Physics:** MAT 540(3), 550(3), 580(3); PHY 575(3)

      d. **Graduate Prep Physics:** MAT 580(3); PHY 351(3), 476(3), 575(3)

   4. Related Requirements: MTH 280(5), 302(3), 303(3)

C. General Baccalaureate Degree Requirements

## Minor(s)

### Physics

Bachelor of Science

A. PHY 203(5), 204(5)

B. Electives from any other physics courses to bring total to 20 hours with no more than 14 hours of courses numbered below 300.

## Accelerated graduate program in Materials Science

Eligible Missouri State undergraduate students may apply for admission to the Materials Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Physics Education

## Major(s)

### Physics Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   The following required courses can be used to meet both General Education and Major Requirements: BIO 121(4); MTH 261(5); CSC 111(3); GRY 108(3); AST 115(4) or PHY 100(4)

B. Major Requirements

   1. Core (22 hours): PHY 100(4), 203(5), 204(5), 375(3), 385(2), 509(3)

   2. Major Electives (8 hours): Select additional hours from any PHY or AST course numbered 200 or higher, except for PHY 501, with no more than three hours at the 200 level.

   3. Related Requirements (34 hours): MTH 261(5), 280(5), 302(3); CSC 111(3); AST 115(4); BIO121(4); CHM 160(4); GRY 108(3); SCI 505(3)

   4. Public Affairs Capstone Experience will be fulfilled by completion of SCI 493(6).

C. Professional Education Courses: A grade of “C” or better in each course is required for state certification.

   1. SCI 214(1), 314(3), 414(3), 493(6), 494(6)

   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Graduate College

## Programs

### Graduate

Professional Studies (MPS)

Interdisciplinary Studies (MS)

Professional Studies (Certificate)

Individualized Studies (Certificate)

Refer to the Graduate Catalog for admission requirements, academic policies, program and degree requirements.

## Graduate transfer credit

For information, refer to the Graduate Transfer Credit Policy.

## Active in research course

Students who have completed all course work and are only working on their research component may register for GEN 798, Active in Research. This course is offered at a flat-rate fee of $75 and allows the following: access to the library including online service such as interlibrary loans, MOBIUS, and restricted access databases; opportunity to purchase a parking permit; and access to computer services and Missouri State email. Course is for zero credit hour and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

## Accreditation

## Contact

**Associate Provost and Dean**

Julie J. Masterson, PhD

**Office**

Carrington Hall, Room 306

**Phone**

417-836-5335

**Graduate Admission**

417-836-5331

**Fax**

417-836-6888

**Email**

The University's regional accreditation is through the Higher Learning Commission. On a 10-year review cycle, Missouri State University has been continuously accredited by the North Central association since 1915. HLC accreditation is for the entire University not specific academic programs.

Refer to the University's Accreditation website for specific graduate program accreditation.

GraduateCollege@missouristate.edu

**Website**

graduate.missouristate.edu/

## Graduate degrees offered (Banner degree code in parenthesis)

- Doctor of Audiology (AuD)
- Doctor of Nursing Practice (DNP)
- Doctor of Nurse Anesthesia Practice (DNAP)
- Doctor of Physical Therapy (DPT)
- Master of Accountancy (MAcc)
- Master of Applied Second Language Acquisition (MASLA)
- Master of Arts (MA)
- Master of Arts in Teaching (MAT)
- Master of Arts in Teaching and Learning (MATL)
- Master of Business Administration (MBA)
- Master of Fine Arts (MFA)
- Master of Global Studies (MGS)
- Master of Health Administration (MHA)
- Master of Music (MM)
- Master of Natural and Applied Science (MNAS)
- Master of Occupation Therapy (MOT)

- Master of Professional Studies (MPS)
- Master of Public Administration (MPA)
- Master of Public Health (MPH)
- Master of Science (MS)
- Master of Science in Education (MSEd)
- Master of Science in Nursing (MSN)
- Master of Social Work (MSW)
- Specialist in Education (EdS)

## Graduate programs of study

- Accountancy, Master of (MAcc)
- Agriculture (MS)
- Applied Anthropology (MS)
- Applied Behavior Analysis (MS)
- Applied Second Language Acquisition (MASLA)
- Athletic Training (MS)
- Audiology, Doctor of (AuD)
- Biology (MS)
- Business Administration, Master of (MBA)
- Cell and Molecular Biology (MS)
- Chemistry (MS)
- Child Life Studies (MS)
- Communication (MA)
- Communication Sciences and Disorders (MS) *Options: Education of the Deaf and Hard of*

*Hearing; Speech-Language Pathology*

- Computer Information Systems (MS) - not currently accepting applications
- Computer Science (MS)
- Counseling (MS) *Options: Elementary School Counseling; Secondary School Counseling; Mental Health*
- Criminology and Criminal Justice (MS)
- Counseling and Assessment (EdS)
- Cybersecurity (MS)
- Defense and Strategic Studies (MS) *Options: General; Weapons of Mass Destruction Studies*
- Early Childhood and Family Development (MS)
- Early Childhood Special Education (MSEd)
- Educational Administration (MSEd) *Options: Elementary; Secondary*
- Educational Administration (EdS) *Options: Elementary Principal; Secondary Principal; Superintendent*
- Educational Leadership (EdD) *cooperative degree with the University of Missouri-Columbia. Degree awarded by the University of Missouri-Columbia.*
- Educational Technology (MSEd)
- Elementary Education (MSEd)
- English (MA)
- Fine Arts, Visual Studies (MFA)
- Geospatial Sciences in Geography, Geology and Planning (MS) *Options: Physical Geography; Human Geography and/or Planning; Environmental Geology*
- Global Studies, Master of (MSG)
- Health Administration, Master of (MHA)
- Health Promotion and Wellness Management (MS)

- History (MA)
- Interdisciplinary Studies (MS)
- Literacy (MSEd)
- Materials Science (MS)
- Mathematics (MS)
- Music, Master of (MM)
- Natural and Applied Science, Master of (MNAS)
- Nurse Anesthesia Practice, Doctor of (DNAP)
- Nursing, Master of Science in (MSN) *Option: Nurse Educator*
- Nursing Practice, Doctor of (DNP) *Options: Post master's DNP, BSN to DPN*
- Occupational Therapy (MOT)
- Pharmacy, Doctor of (PharmD) *cooperative degree with the University of Missouri-Kansas City. Degree awarded by the University of Missouri-Kansas City.*
- Physical Therapy, Doctor of (DPT)
- Physician Assistant Studies (MS)
- Plant Science (MS)
- Professional Studies, Master of (MPS) *Options: Applied Communication; Criminal Justice; Environmental Management; Homeland Security; Hospitality Administration; Individualized; Producing and Screenwriting; Sports Management*
- Project Management (MS)
- Psychology (MS) *Options: Clinical; Experimental; Industrial/Organizational*
- Public Administration, Master of (MPA)
- Public Health, Master of (MPH)
- Religious Studies (MA)

Secondary Education (MSEd) *Options: Agriculture; Art; Biology; Chemistry; Earth Science; English; Family and Consumer Sciences; Geography; History; Mathematics; Natural Science; Physical Education; Physics; Social Science*

- Social Work, Master of (MSW)
- Special Education (MSEd) *Options: Autism Spectrum Disorders; Blindness and Low Vision; Developmental Disabilities; Orientation and Mobility; Special Education Alternative Certification Track*
- Student Affairs in Higher Education (MS)
- Teacher Leadership (EdS)
- Teaching, Master of Arts in (MAT)
- Teaching and Learning, Master of Arts in (MATL)
- Visual Studies (see Fine Arts, Visual Studies)
- Writing (MA)

## Accelerated graduate programs

The accelerated graduate programs provides a transition that enables undergraduate students to begin taking graduate course work as they complete the work for a bachelor's degree. Students must apply and be accepted to the accelerated graduate program before enrolling in any course that is to apply to both the undergraduate and graduate degrees (Mixed Credit). For more information, refer to the Undergraduate Students Taking Graduate Classes Policy.

- Accountancy (MAcc)
- Agriculture (MS)
- Applied Anthropology (MS)
- Audiology (AUD)
- Biology (MS)
- Business Administration (MBA)
- Cell and Molecular Biology (MS)

- Chemistry (MS)
- Child Life Studies (MS)
- Communication (MA)
- Communication Sciences and Disorders, Option in Education of Deaf and Hard of Hearing (MS)
- Computer Science (MS)
- Criminology and Criminal Justice (MS)
- Cybersecurity (MS)
- Early Childhood and Family Development (MS)
- Early Childhood Special Education (MSEd)
- Educational Technology (MSEd)
- Elementary Education (MSEd)
- Geospatial Sciences in Geography, Geology and Planning (MS)
- Global Studies (MGS)
- Health Administration (MHA)
- Health Promotion and Wellness Management (MS)
- History (MA)
- Literacy (MSEd)
- Materials Science (MS)
- Mathematics (MS)
- Natural and Applied Science (MNAS)
- Plant Science (MS)
- Project Management (MS)
- Public Administration (MPA)

- Public Health (MPH)
- Religious Studies (MA)
- Secondary Education/English (MSEd)
- Secondary Education/History (MSEd)
- Secondary Education/Mathematics (MSEd)
- Special Education, Option in Autism Spectrum Disorders (MSEd)
- Writing-Technical/Professional Writing Track (MA)

## Graduate certificate programs

- Autism Spectrum Disorders (18 hours) Department of Counseling, Leadership, and Special Education
- Community Corrections (12 hours) Department of Criminology and Criminology Justice
- Computer Information Systems (12 hours) Department of Management and Information Technology
- Conflict and Dispute Resolution (16 hours) Department of Communication
- Conservation Education (12 hours) Department of Childhood Education and Family Studies
- Countering Weapons of Mass Destruction (15 hours) Department of Defense and Strategic Studies
- Cultural Resource Management Archaeology (18 hours) Department of Sociology and Anthropology
- Cybersecurity (12 hours) Department of Management and Information Technology
- Data Analytics (12 hours) Department of Management and Information Technology
- Defense and Strategic Studies (9 hours) Department of Defense and Strategic Studies
- Dietetic Internship (18 hours) Department of Biomedical Sciences
- Education of the Deaf and Hard of Hearing (14 hours) Department of Communication Sciences and Disorders

- Education of Gifted and Talented Students (12 hours) Department of Childhood Education and Family Studies
- Educational Technology (16-17 hours) Department of Reading, Foundations, and Technology
- Elementary Curriculum and Instruction (12 hours) Department of Childhood Education and Family Studies
- Elementary Mathematics Education (16 hours) Department of Childhood Education and Family Studies
- Entrepreneurship (12 hours) Department of Management and Information Technology
- Environmental Monitoring and Sampling (12 hours) Department of Geography, Geology, and Planning
- Finance (12 hours) Department of Finance and General Business
- Financial Analysis (12-18 hours) Department of Finance and General Business
- Forensic Accounting (12 hours) School of Accountancy
- Forensic Child Psychology (12 hours) Department of Psychology
- Geospatial Information Sciences (12 hours) Department of Geography, Geology, and Planning
- Health Administration (12 hours) Department of Management and Information Technology
- History for Teachers (15 hours) Department of History
- Homeland Security and Defense (12 hours) College of Humanities and Public Affairs
- Hospitality Administration (12 hours) Department of Hospitality Leadership
- Individualized Studies (12 hours) Graduate College
- International Business (12) Department of Management and Information Technology
- Leadership (12 hours) Department of Management and Information Technology
- Literacy (12 hours) Department of Reading, Foundations, and Technology
- Management (12 hours) Department of Management and Information Technology

- Marketing (12 hours) Department of Marketing
- Nurse Educator, Post-Master's (12 hours) School of Nursing
- Orientation and Mobility (18 hours) Department of Counseling, Leadership, and Special Education
- Ozarks Studies (15 hours) Department of English
- Perspectives about the American Higher Education System (9 hours) Department of Counseling, Leadership, and Special Education
- Professional Studies (15 hours) Graduate College
- Project Management (12 hours) Department of Technology and Construction Management
- Public Health Administration (15 hours) College of Health and Human Services
- Public Health and Homeland Security (15 hours) College of Health and Human Services
- Public Health Core (15 hours) College of Health and Human Services
- Public Management (18 hours) Department of Political Science
- Screenwriting for Television and Film (15 hours) Department of Media, Journalism & Film
- Special Education Director (14 hours) Department of Counseling, Leadership, and Special Education
- Sports Management (18 hours) Department of Kinesiology
- Statistics and Research Design (12 hours) Department of Psychology
- Tax Accounting (12 hours) School of Accountancy
- Teacher Leadership (18 hours) Department of Reading, Foundations, and Technology
- Teaching and Learning (18 hours) Department of Reading, Foundations, and Technology
- Teaching of Writing K-12 (15 hours) Department of English
- Teaching English to Speakers of Other Languages (15 hours) Department of English

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# Graduate College Courses

## Graduate College (GRD) courses

**GRD 796 Variable Topics in University Teaching for GAs and TAs**

In-depth study of scholarly teaching and the scholarship of teaching and learning at the university level. Variable topics course. May be repeated up to 3 hours if topic varies.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

## GEN 798, Active in Research

Students who have completed all course work and are only working on their research component may register for GEN 798, Active in Research. This course is offered at a flat-rate fee of $75 and allows the following: access to the library including online service such as interlibrary loans, MOBIUS, and restricted access databases; opportunity to purchase a parking permit; and access to computer services and Missouri State email. Course is for zero credit hour and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

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https://www.missouristate.edu/registrar/catalog/courses_gr.htm

# William H. Darr College of Agriculture

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Agricultural Business (BS, Minor)+

Agriculture Education (BSEd, Minor)+

Agronomy (Minor)

Animal Science (BS, Minor)+

Companion Animal Science (Minor)

Environmental Plant Science (BS)+

Equine Studies (Minor)

Forestry (Minor)

General Agriculture (BAS, BS, Minor)+

Horticulture (Minor)

Natural Resources (BS)+

Wildlife Conservation and Management (BS)+

### Graduate

Agriculture (MS)+

Natural and Applied Science with an emphases in Agriculture, and in Plant Science (MNAS)+

Plant Science (MS)+

Secondary Education with option in Agriculture (MSEd)

## General information

### Center for Grapevine Biotechnology

The Center explores genetic resources and identifies health-

## Contact

**Dean**

promoting compounds in diverse grapevine species for securing the profitability and sustainability of the grape and wine industry and for improving human health.

## William H. Darr Agricultural Center

The Center, located on a 100-acre site in southwest Springfield, is a unique asset that supports the College of Agriculture's diverse programs.

Agriculture is a key economic component of the region. The food, fiber, and renewable resources that traditional agriculture provides are basics required for life. Missouri State's metropolitan location and the Darr Agricultural Center provide a unique opportunity to demonstrate the interactions between traditional agriculture's rural origin and the more urban setting of modern America. The Darr Agricultural Center serves as a laboratory and field experience classroom for the study of livestock management, equine studies, horticulture, agronomy, animal science, and wildlife conservation and management. An additional benefit of the Center is that it provides agricultural/green space within the rapidly expanding Springfield metropolitan area.

## State Fruit Experiment Station

The State Fruit Experiment Station, operated on the Mountain Grove Research Campus, has a statewide mandate by law to generate knowledge through research, and to disseminate this knowledge for the economic development of the Missouri fruit industry. In addition to carrying out research, conducting advisory education programs, and teaching courses, the faculty are available to guide graduate students in their thesis research.

Research is carried on in pomology, enology, viticulture, plant pathology, entomology, molecular genetics, and plant physiology. The fruit crops under investigation include apples, grapes, blueberries, peaches, strawberries, blackberries, and raspberries, as well as species of lesser economic importance. Information derived from the Station’s research is disseminated

Ronald P. Del Vecchio, PhD

**Office**

Karls Hall, Room 201

**Phone**

417-836-5638

**Fax**

417-836-6979

**Email**

Agriculture@missouristate.edu

**Website**

ag.missouristate.edu

through advisory programs to fruit growers and processors throughout Missouri.

The Station is the site of extensive testing of new fruit varieties and selections for their adaptability to Missouri soil and climate and resistance to diseases. Research on the culture of fruit crops is carried out on nutrient and water requirements, pruning and training systems, growth regulators, and rootstocks. Plant pathogens and insect pests are studied for clues which may help in reducing their damage to fruit crops. A program in genetic engineering has the improvement of fruit varieties as the major goal.

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# Agriculture Courses

## Agriculture (General) (AGR) courses

**AGR 100 Food Security**

*General Education Course (Focus on Social and Behavioral Sciences).*

An examination of policies and technology that affect food security for the United States in a global setting.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 108 Topics in Agriculture**

A course designed to treat specific areas of agriculture to meet specialized student needs. Treatment of the subject will include consideration of historical, theoretical, scientific, and application aspects. May be repeated up to a total of 4 hours provided the same topic is not repeated. Variable content course.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 110 Agriculture Orientation**

Introduction to the educational opportunities, facilities, services, and activities with specific emphasis toward the William H. Darr College of Agriculture. Course designed for students interested in Agriculture.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 118 Leadership**

A course for entering freshmen students to examine leadership through the observation and analysis of leaders in various career paths. To demonstrate leadership through class projects.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGR 157 Principles of Agricultural Mechanization**

Engineering and mechanical principles; their application to agriculture equipment, systems and concepts.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 200 Mini Agriculture**

A course designed to treat specific areas of agriculture to meet specialized student needs. Treatment of the subject will include consideration of historical, theoretical, scientific and application aspects. May be repeated up to a total of 4 hours provided the same topic is not repeated. A course fee may be charged for selected sections. Variable content course. 1(1-0) D. Approved recurring course topic: Floral Design I. Basic concepts and elements of floral design. Specific emphasis on aesthetics, color, shape, space and texture. Supplemental course Fee. 1(1-0) D. Approved recurring course topic: Floral Design II. Assist student to develop his or her unique individual style of advanced floral design. Expansion on basic concepts and elements. Specific emphasis placed on aesthetics, color, shape, space and texture. Supplemental course Fee. 1(1-0) D. Approved recurring course topic: Home and Garden Insects. Basic concepts of pest control appropriate for residences and businesses. 1(1-0) D. Approved recurring course topic: Rodeo Techniques. Provide students with an appreciation for and general knowledge of rodeo history, events, organizations, economic impact on today's society and future direction.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGR 250 Agricultural Communications**

Recommended Prerequisite: ENG 110 and COM 115. Introduces the scope and applications of communications and journalism as they relate to agriculture.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGR 299 Special Topics**

*Prerequisite: permission of instructor.*

Special study of agricultural topics not treated in other courses. Course may be repeated to a total of 5 hours provided the same topic is not duplicated. Variable content course.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGR 300 Food and Agricultural Chemistry**

*Prerequisite: CHM 107 or CHM 108 or; CHM 116 and 117; or CHM 160.*

Chemistry, sources and importance of biological materials used for food, fiber, and feed for man and domestic animals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 301 Agriculture Transfer Student Orientation**

An integrative experience which addresses public affairs issues and individual choices promoting academic success for first semester William H. Darr College of Agriculture transfer students. Required of all sophomore, junior, and senior transfer students during their first two semesters at Missouri State who have not taken GEP 101/UHC 110.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 313 Beekeeping**

*Prerequisite: permission of instructor.*

Fundamentals needed for the amateur to establish and maintain honey bees and produce a surplus honey crop.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**AGR 320 Writing in the Applied Sciences**

*Prerequisite: ENG 110 and 45 hours.*

*General Education Course (Focus on Written Communication and Integrative and Applied Learning).*

Strategies for accessing information. Writing proposals, progress reports, final reports, manuals, and online documents for the Applied Sciences.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 330 Statistical Applications in Agriculture**

Recommended Prerequisite: MTH 130 or higher. Collection, display, analysis and application of agricultural data, including measurement of location and dispersion, probability, normal distribution, sampling, sampling distributions, hypothesis testing, analysis of variance, correlation and regression analysis. Computer statistical packages will be used for simulation study and agricultural data analysis. Applications are specific to Agriculture. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGR 357 Agricultural Power**

Recommended Prerequisite: MTH 130 or higher. Principles of operation, construction and utilization of power units.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGR 367 Agricultural Machinery**

Recommended Prerequisite: MTH 130 or higher. Principles of construction, operation, selection and utilization of farm field equipment.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGR 370 Animal Welfare, Animal Rights, and the Ethics of Food Production**

Animal welfare, animal rights, and the ethics of using animals for food, fiber, research, and entertainment will be discussed. The question of sustainability as it pertains to meat animal production, water quality, energy used to produce different food stuffs, and how agriculture affects the environment will also be addressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGR 377 Agricultural Structures and Systems**

Recommended Prerequisite: MTH 130 or higher. Functional and structural design of unified structures and systems for agricultural enterprises.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGR 399 Special Topics**

Special study of agricultural topics not treated in other courses. Course may be repeated to a total of 5 hours provided the same topic is not duplicated. Variable Content Course. Supplemental course fee (variable by section). 1-5 D. Approved recurring course topic: Agriculture and Water Quality. Issues related to agriculture and its impact on water quality--both surface and ground water. Common practices that have a negative impact will be studied along with practices that can have positive and/or minimal impact on water quality. 1(1-0) D. Approved recurring course topic: Events Management. Specific tasks of organization, marketing, and managing resources for special events. 1(1-0) D. Approved recurring course topic: Principles of Horseshoeing. Horseshoeing techniques including safe use of tools and handling of horses. Supplemental Course Fee. 1(1-0) D. Approved recurring course topic: Therapeutic Riding. Recommended Prerequisite: AGS 162 or AGS 262. Introduction to therapeutic riding and the role of the horse in equine assisted therapy programs. Development of horses and volunteers for use in a therapeutic riding program.

**Credit hours:** 3
**Lecture contact hours:** 0
**Lab contact hours:** 6

**Typically offered:** Spring
Projected offerings

**AGR 490 Agronomy/Horticulture Senior Seminar**

Recommended Prerequisite: 90 hours. Presentation, discussions and analysis of professional and technical topics in Agronomy and Horticulture.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGR 499 Internship in Agriculture**

*Prerequisite: permission of instructor.*

Supervised agricultural work experience. A paper describing and analyzing the experience required. May be repeated for a total of 10 hours. 1-8, D. Approved recurring course topic: Internship-Equine. An academic program to integrate class experience with actual practice and to provide students with hands-on experience in businesses or agencies which employ agriculture majors. 1-8, D. Approved recurring course topic: Internship-Horticulture. An academic program to integrate class experience with actual practice and to provide students with hands-on experience in businesses or agencies which employ agriculture majors.

**Credit hours:** 1-8
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGR 599 International Study in Agriculture**

Faculty-led study course that will include travel to a foreign country as part of further learning of world agricultural systems. Paper and/or other classroom-related work required in addition to travel. May be repeated up to 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGR 790 Introduction to Agricultural Research Methods**

*Prerequisite: permission of instructor.*

This course is designed to provide an introduction to the process of research. The course will address planning, conducting, and reporting research; and development of good consumers of research.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGR 796 Science Internship**

Completion of an internship project (80 hours/credit hour, 6 credit hours maximum) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a master's degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGR 797 Seminar**

*Prerequisite: permission of advisor.*

In-depth study in an area of agriculture, culminating in an extensive scholarly presentation. May be repeated to a total of three hours.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGR 798 Research**

*Prerequisite: permission of instructor.*

Supervised research in agriculture. May be repeated, but not more than 6 hours may be counted toward the 32 hour degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGR 799 Thesis**

*Prerequisite: permission of instructor.*

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated. A maximum of 6 hours will be applied toward a master's degree.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

# Department of Agribusiness, Agricultural Education and Communications

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Agricultural Business (BS, Minor)+

Agriculture Education (BSEd, Minor)+

## Accreditations

- Missouri Department of Elementary and Secondary Education – Agriculture Education (BSEd); Secondary Education/Agriculture (MSEd)
- Council for the Accreditation of Educator Preparation – Agriculture Education (BSEd); Secondary Education/Agriculture (MSEd)

## Contact

**Interim department head**

Arbindra Rimal, PhD

**Office**

Karls Hall, Room 201

**Phone**

417-836-5638

**Fax**

417-836-6979

**Email**

Agriculture@missouristate.edu

**Website**

ag.missouristate.edu/Business

# Agribusiness, Agricultural Education and Communications Faculty

## Professors

Ronald P. Del Vecchio, PhD

Arbindra Rimal, PhD

## Associate professors

James B. Hutter, PhD

Benjamin M. Onyango, PhD

## Assistant professor

Nichole L. Busdieker-Jesse, PhD

## Instructors

Nathan Fent, MAT

Katelyn N. McCoy, MNAS

Christine E. Sudbrock, MS

## Emeritus faculty

R. Bruce Johnson, PhD

Jon H. Wiggins, EdD

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Agribusiness, Agricultural Education and Communications Courses

## Agricultural Business (AGB) courses

**AGB 144 Agricultural Economics I**

Characteristics of our economic system and basic economic concepts with applications to agriculture. Effects on agriculture by money and banking systems, monetary and fiscal policies, government policies, and international trade.

**Credit hours:** 4
**Lecture contact hours:** 3
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGB 314 Legal Aspects of Agriculture**

Recommended Prerequisite: 30 hours. Legal framework impinging upon decision making of farm business including farm ownership and transfer, taxation, business organization, losses, and regulations of land and water use.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGB 334 Marketing Agricultural Products**

Recommended Prerequisite: AGB 144 or ECO 165. Marketing functions and agencies involved in the movement of farm products from producers to consumers. Explains how the economic behaviors of the farmers, marketing agents and consumers affect the organization and performance of the food markets.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGB 344 Financing Agriculture**

Recommended Prerequisite: AGB 144. Capital requirements and sources and uses of each type of credit.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGB 354 Land Economics**

Recommended Prerequisite: AGB 144. Principles and institutions affecting the allocation of land resources among uses and users.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGB 364 Agricultural Commodity Futures and Options**

Recommended Prerequisite: AGB 334. Introduction to the economic theory, organization, and operating principles of agricultural commodity futures markets. Emphasis is placed on speculating, hedging, and investing in agricultural commodity futures contracts.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**AGB 374 Agricultural Business Management**

Recommended Prerequisite: AGB 144. A study of agricultural firm management including planning, organizing, directing, controlling and coordinating functions used to attain business goals. The role of finance and type of business organization including agricultural cooperatives.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGB 384 Agricultural Selling**

Recommended Prerequisite: AGB 334. Principles of selling with application to agricultural inputs and products. Attitudes, value systems, and behavioral patterns that relate to agricultural sales. Relationship of sales to marketing, selling strategies, preparing for sales calls, making sales presentations, handling objections, and closing sales. Analysis of the buying or purchasing process. Evaluation of agri-selling as a possible career choice.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGB 394 Agricultural Industry Study**

*Prerequisite: concurrent enrollment in AGB 494 for 1 credit hour; completion of 60 hours including 6 hours in agricultural business; and permission of instructor.*

A five-day study alternating between St. Louis and Kansas City to examine the management process of a variety of agricultural businesses. May be repeated for a total of 2 credit hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGB 444 American Agricultural Policy**

Recommended Prerequisite: AGB 144. Description and analysis of economic problems of US Agriculture. History and significance of government programs to support farm prices and incomes, conserve land resources, encourage adequate food supplies and expand US agricultural trade.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGB 494 Problems in Agricultural Business**

*Prerequisite: permission of instructor.*

Student selects a specific topic, prepares an outline, makes an investigation and presentation under the supervision of an agricultural business staff member.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**AGB 514 International Agricultural Trade**

*Prerequisite: AGB 334 or MKT 350.*

Gains from trade, agricultural trade policies of exporters and importers, exchange rates, multilateral trade negotiations, preferential trade agreements, technical barriers and environmental regulations and trade. May be taught concurrently with AGB 614. Cannot receive credit for both AGB 614 and AGB 514.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**AGB 524 Agricultural Prices**

*Prerequisite: AGB 334.*

Factors influencing the level and movement of agricultural commodity prices and prices of agricultural inputs. May be taught concurrently with AGB 624. Cannot receive credit for both AGB 624 and AGB 524.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGB 534 Production Economics**

*Prerequisite: AGB 144.*

Application of economics of production in agricultural and business management, examination of the relationships between inputs and outputs, and impact of technology selection on business profitability.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 1

**Typically offered:** Spring
Projected offerings

**AGB 584 Farm Business Management**

*Prerequisite: AGB 144.*

Economic principles applied to the organization and operation of agricultural units; tools of decision-making; and factor allocation. May be taught concurrently with AGB 684. Cannot receive credit for both AGB 684 and AGB 584.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGB 594 Agricultural Entrepreneurship**

This course is designed to explore the best foundational knowledge of owning your own business within the expansive industry that is agriculture. Course will cover various facets of entrepreneurship from resource evaluation to budgets and marketing. By the end of the course, not only will each student have an understanding of entrepreneurship but will also have a completed business plan built on that knowledge. Real world applications will also be explored through guest speakers from the local agricultural community and current event discussions. While most applications will be agriculturally focused, all topics that are discussed can be applied to other sectors of the business world. May be taught concurrently with AGB 694. Cannot receive credit for both AGB 594 and AGB 694.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGB 614 International Agricultural Trade**

Recommended Prerequisite: AGB 334 or MKT 350. Gains from trade, agricultural trade policies of exporters and importers, exchange rates, multilateral trade negotiations, preferential trade agreements, technical barriers and environmental regulations and trade. May be taught concurrently with AGB 514. Cannot receive credit for both AGB 514 and AGB 614.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**AGB 624 Agricultural Prices**

Recommended Prerequisite: AGB 334. Factors influencing the level and movement of agricultural commodity prices and prices of agricultural inputs. May be taught concurrently with AGB 524. Cannot receive credit for both AGB 524 and AGB 624.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGB 684 Farm Business Management**

Recommended Prerequisite: AGB 144. Economic principles applied to the organization and operation of agricultural units; tools of decision-making; and factor allocation. May be taught concurrently with AGB 584. Cannot receive credit for both AGB 584 and AGB 684.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGB 694 Agricultural Entrepreneurship**

This course is designed to explore the best foundational knowledge of owning your own business within the expansive industry that is agriculture. Course will cover various facets of entrepreneurship from resource evaluation to budgets and marketing. By the end of the course, not only will each student have an understanding of entrepreneurship but will also have a completed business plan built on that knowledge. Real world applications will also be explored through guest speakers from the local agricultural community and current event discussions. While most applications will be agriculturally focused, all topics that are discussed can be applied to other sectors of the business world. May be taught concurrently with AGB 594. Cannot receive credit for both AGB 694 and AGB 594.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

## Agricultural Communications (AGC) courses

**AGC 183 Introduction to Agricultural Communications**

*Prerequisite: ENG 110.*

Students will gain a basic understanding of the agricultural communications field, specifically in relation to issues in agriculture. Students will gain a broad understanding of agricultural communications, including a basic understanding of available communication mediums such as print media, audio, video and social media.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGC 293 News Writing in Agriculture**

*Prerequisite: ENG 110 or AGC 183.*

Through the publication of the 'Ag Review', students will develop a basic understanding of news writing and Associated Press Style, specifically in the context of agricultural topics. The 'Ag Review' is a tradition in the School of Agriculture, and allows students to gain experience in journalistic writing, editing and publishing of the news magazine.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGC 303 Event Communications for Agricultural Organizations**

*Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).*

Students will understand how to organize and run a successful press room for an agricultural organization's event. The class is centered around the Missouri FFA Convention press room at Missouri FFA Convention. Students learn the skills needed to perform in the press room during the lecture portion and spend the week of convention applying their skills to help run the press room.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGC 313 Feature Writing for Agricultural Publications**

*Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).*

Students will learn how to effectively use the feature writing style, specifically in relation to agriculture publications and topics. Students will understand the different types of feature stories, how to identify story ideas, interview sources and write stories they could potentially publish in an agriculture, food or natural resources related publication which differs from other publications due to the complexities of the industry.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGC 323 Media in Agriculture**

*Prerequisite: AGC 183 or AGR 320 (or writing II equivalent).*

Students will understand how to integrate multiple media platforms to share a targeted message, with specific focus on social media, radio and video. Agricultural organizations utilize social media and other multimedia platforms to relay information to their consumers. Agricultural communications professionals have had to adapt to the shift of media trends, which include the up rise of technology. Students will apply the skills learned in this course to better reach target audiences within the agricultural industry using multimedia platforms.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGC 333 Layout and Design for Agricultural Publications**

Students will learn the fundamentals of Adobe Creative Cloud software, especially InDesign and Illustrator, while grasping basic graphic design principles in the context of agriculture. Specifically, students can apply class content to agricultural entities in their lives. Examples could include creating a graphic design portfolio for a family farm including a logo, brochure, business cards, etc.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGC 343 Agricultural Photography**

Students will have an understanding of manual camera settings, photo composition and basic photo editing skills in Photoshop. Ideal for students who will have basic photography requirements in their job. Examples of relevant careers include event photography, livestock photography, communications specialist, etc.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGC 393 Public Relations in Agriculture**

*Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).*

Students will learn the role public relations plays in agriculture through study of the history, theory and modern application of public relations. After initial study, students will apply their knowledge to create a public relations plan for an agricultural organization.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGC 493 Capstone in Agricultural Communications**

*Prerequisite: AGC 313 and AGC 333.*

Students will understand the process of developing and publishing a feature magazine including both writing and design of the magazine. For the writing portion, students will be responsible for story idea development, interviews, executing writing and editing. The design portion will include photography and content layout. Another component of the course will be selling advertisements to help offset printing costs. Advertisements are sold to community businesses by students, who potentially could also work with the business to create the advertisement itself.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

## Agricultural Education (AGE) courses

**AGE 318 Introduction to Agricultural Education**

Recommended Prerequisite: 30 hours. Building an acquaintance with the aims, philosophy, functions, opportunities and demands of agricultural education programs.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGE 337 Agricultural Mechanics Practices**

Shop processes and techniques required for the construction, repair, and maintenance of agricultural facilities and equipment. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**AGE 493 Supervised Teaching (Secondary Agriculture)**

*Prerequisite: completion of all methods courses in Agriculture; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in AGE 494.*

Student observes then teaches agriculture classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**AGE 494 Supervised Teaching (Secondary Agriculture)**

*Prerequisite: concurrent enrollment in AGE 493.*

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 5-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**AGE 498 Problems in Agricultural Education**

*Prerequisite: permission of instructor.*

Student selects a specific topic, prepares an outline, makes an investigation and presentation under the supervision of an agricultural education staff member. May be repeated with permission.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGE 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate master's level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**AGE 508 Teaching Adults in Vocational Education**

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 527 and SEC 527. Cannot receive credit for AGV 527 and SEC 527 and AGE 508. May be taught concurrently with AGE 608. Cannot receive credit for both AGE 608 and AGE 508.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGE 518 Agriculture Education Special Topics**

*Prerequisite: permission of instructor.*

Special study of agricultural education topics not covered in other courses. Course may be repeated to a total of 5 hours provided the same topic is not duplicated. May be taught concurrently with AGE 628. Cannot receive credit for both AGE 628 and AGE 518.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGE 548 Agriculture in the Classroom**

Course is designed to help elementary teachers better appreciate the importance of agriculture in their student's lives and to better understand Missouri agriculture. Course stresses integration of resources available from the agricultural industry across the curriculum. May be taught concurrently with AGE 648. Cannot receive credit for both AGE 648 and AGE 548.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**AGE 558 Teaching of Agriculture**

*Prerequisite: SEC 302 and EDC 350 and 20 hours in agriculture and admission to the teacher education program.*

Establishing objectives and organizing the course, selecting textbooks and equipment, securing and using teaching aids; using workbooks and notebooks, planning field trips, selecting and supervising projects. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take AGE 493 or AGE 494. Cannot be taken Pass/Not Pass. May be taught concurrently with AGE 658. Cannot receive credit for both AGE 658 and AGE 558.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGE 568 Course and Program Building in Agricultural Education**

*Prerequisite: AGE 318 and AGE 558; and 60 hours.*

Organization and analysis of agricultural instruction courses and programs; including the adoption of resource materials to meet individual student needs. May be taught concurrently with AGE 668. Cannot receive credit for both AGE 668 and AGE 568.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGE 578 Methods of Teaching Agricultural Management**

*Prerequisite: AGE 318 and AGE 558; and 60 hours.*

Identification, development, and utilization of supervised agriculture experience programs in Agricultural Education that includes methods of teaching program management, record keeping, and appropriate methodologies. May be taught concurrently with AGE 678. Cannot receive credit for both AGE 678 and AGE 578.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGE 588 Methods of Teaching Agricultural Laboratory Management**

*Prerequisite: AGE 318 and AGE 558; and 60 hours.*

Prepare prospective agricultural science teachers to determine subject matter, methods of teaching, and organization of equipment and facilities as applied to agricultural laboratories in high schools. May be taught concurrently with AGE 688. Cannot receive credit for both AGE 688 and AGE 588.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGE 608 Teaching Adults in Vocational Education**

*Prerequisite: permission of instructor.*

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 627 and SEC 627. Cannot receive credit for AGV 627 and SEC 627 and AGE 608. May be taught concurrently with AGE 508. Cannot receive credit for both AGE 508 and AGE 608.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGE 628 Agriculture Education-Special Topics**

*Prerequisite: permission of instructor.*

Special study of agricultural education topics not covered in other courses. Course may be repeated to a total of 5 hours provided the same topic is not duplicated. May be taught concurrently with AGE 518. Cannot receive credit for both AGE 628 and AGE 518.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGE 648 Agriculture in the Classroom**

Course is designed to help elementary teachers better appreciate the importance of agriculture in their student's lives and to better understand Missouri agriculture. Course stresses integration of resources available from the agricultural industry across the curriculum. May be taught concurrently with AGE 548. Cannot receive credit for both AGE 548 and AGE 648.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**AGE 658 Teaching of Agriculture**

*Prerequisite: SEC 302 and EDC 350 and teacher certification students must be admitted to the teacher education program.*

Establishing objectives and organizing the course, selecting textbooks and equipment, securing and using teaching aids; using workbooks and notebooks, planning field trips, selecting and supervising projects. A grade of "C" or better is required in this course in order to take AGE 493 or AGE 494. May be taught concurrently with AGE 558. Cannot receive credit for both AGE 558 and AGE 658.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGE 668 Course and Program Building in Agricultural Education**

*Prerequisite: AGE 318 and AGE 658.*

Organization and analysis of agricultural instruction courses and programs; including the adoption of resource materials to meet individual student needs. May be taught concurrently with AGE 568. Cannot receive credit for both AGE 568 and AGE 668.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGE 678 Methods of Teaching Agricultural Management**

*Prerequisite: AGE 318 and AGE 658.*

Identification, development, and utilization of supervised agriculture experience programs in Agricultural Education that includes methods of teaching program management, record keeping, and appropriate methodologies. May be taught concurrently with AGE 578. Cannot receive credit for both AGE 578 and AGE 678.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGE 688 Methods of Teaching Agricultural Laboratory Management**

*Prerequisite: AGE 318 and AGE 658.*

Prepare prospective agricultural science teachers to determine subject matter, methods of teaching, and organization of equipment and facilities as applied to agricultural laboratories in high schools. May be taught concurrently with AGE 588. Cannot receive credit for both AGE 588 and AGE 688.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGE 718 Topics in Agricultural Education**

*Prerequisite: permission of instructor.*

Current developments and trends in teaching agricultural education as well as new developments in resources and techniques. May be repeated, however, only 9 hours will count towards the graduate program of study.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGE 728 Induction Year Teaching I**

*Prerequisite: permission of instructor.*

Course for the professional development of first-year teachers of agriculture. The course focuses on the pedagogical knowledge, skills, and attitudes and managerial skills needed by beginning teachers of agriculture.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGE 738 Induction Year Teaching II**

*Prerequisite: AGE 728.*

Course for the professional development of second-year teachers of agriculture. The course is a continuation of AGE 728 and focuses on the pedagogical knowledge, skills, and attitudes and managerial skills needed by beginning teachers of agriculture.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

## Technology Education (AGT) courses

**AGT 416 Principles of Teaching Industrial Education**

*Prerequisite: EDC 150 and SEC 302 and 60 hours; and admitted to teacher education program or teacher certification.*

Instructional methods of attaining the objectives of technology education and vocational industrial technical education; design of individualized instruction and classroom and laboratory management; techniques of problem solving and applied critical thinking/decision-making; construction of tests; student evaluation; and use of visual aids. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take AGT 493 or AGT 494. Cannot be taken Pass/Not Pass.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGT 420 Technology Education for the Classroom**

*Prerequisite: AGT 416 or concurrent enrollment; EDC 150 and SEC 302; and 60 hours; and admitted to Teacher Education Program or teacher certification.*

Techniques, constructional activities, instructional materials and critical thinking/problem solving activities used in teaching technology education in elementary and secondary schools. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take AGT 493 or AGT 494. Cannot be taken Pass/Not Pass.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGT 493 Supervised Teaching (Secondary Technology)**

*Prerequisite: completion of all method courses in Technology; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for student teaching; and concurrent enrollment in AGT 494.*

Student observes then teaches industrial technology classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**AGT 494 Supervised Teaching (Secondary Technology)**

*Prerequisite: concurrent enrollment in AGT 493.*

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. The course will not count toward the major GPA. Supplemental course fee.

**Credit hours:** 6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Spring
Projected offerings

**AGT 499 Clinical Experiences in Teaching II**

*Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.*

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate master's level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**AGT 521 Selection and Organization of Industrial Education**

*Prerequisite: AGT 416 or concurrent enrollment; and AGT 420 or concurrent enrollment.*

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taken in same semester as AGT 416 and AGT 420. Identical with AGV 521. Cannot receive credit for both AGT 521 and AGV 521. May be taught concurrently with AGT 621. Cannot receive credit for both AGT 621 and AGT 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGT 621 Selection and Organization of Industrial Education**

*Prerequisite: AGT 416 or concurrent enrollment; and AGT 420 or concurrent enrollment.*

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taught in same semester as AGT 416 and AGT 420. Identical with AGV 621. Cannot receive credit for both AGT 621 and AGV 621. May be taught concurrently with AGT 521. Cannot receive credit for both AGT 521 and AGT 621.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

## Agricultural Vocational (AGV) courses

**AGV 520 Occupational Analysis**

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with AGV 620. Cannot receive credit for both AGV 620 and AGV 520.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 521 Selection and Organization of Industrial Education**

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taken in same semester as AGT 416. Identical with AGT 521. Cannot receive credit for both AGV 521 and AGT 521. May be taught concurrently with AGV 621. Cannot receive credit for both AGV 621 and AGV 521.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 522 Philosophy of Vocational Education**

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Identical with SEC 522. May be repeated to a maximum of 3 hours when topic varies. May be taught concurrently with AGV 622. Cannot receive credit for both AGV 622 and AGV 522.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 523 Guidance for Vocational Development**

Materials, procedures, and problems involved in the guidance of individuals in the selection of, preparation for, and advancement in a vocation. May be repeated to a total of 3 hours when topics varies. May be taught concurrently with AGV 623. Cannot receive credit for both AGV 623 and AGV 523.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 525 Organization and Management in Vocational Education**

A systematic approach to defining and measuring occupational knowledge, skills and attitudes based upon an occupational analysis, instructional methodology, evaluation, and program standards. May be taught concurrently with AGV 625. Cannot receive credit for both AGV 625 and AGV 525.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 526 Coordination of Cooperative Education**

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Identical with SEC 526. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with AGV 626. Cannot receive credit for both AGV 626 and AGV 526.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 527 Teaching Adults in Vocational Education**

Rise of the adult education movement, learning abilities, educational interests, and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGE 508 and SEC 527. Cannot receive credit for AGV 527 and AGE 508 and SEC 527. May be taught concurrently with AGV 627. Cannot receive credit for both AGV 627 and AGV 527.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 528 Measurement and Evaluation of Vocational Education Programs**

Means for assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program to the manpower needs in a given labor market area. Identical with SEC 528. May be repeated to a total of 3 hours with departmental approval when topic varies. May be taught concurrently with AGV 628. Cannot receive credit for both AGV 628 and AGV 528.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 576 Teaching of Industrial/Vocational Subjects**

Instructional methods and techniques of teaching industrial/vocational education subjects; attaining objectives of career and technical education, design and evaluation of instructional units; classroom and laboratory management; and development of evaluative instruments. May be taught concurrently with AGV 676. Cannot receive credit for both AGV 676 and AGV 576.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 620 Occupational Analysis**

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with AGV 520. Cannot receive credit for both AGV 520 and AGV 620.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 621 Selection and Organization of Industrial Education**

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taken in same semester as AGT 416. Identical with AGT 621. Cannot receive credit for both AGV 621 and AGT 621. May be taught concurrently with AGV 521. Cannot receive credit for both AGV 521 and AGV 621.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 622 Philosophy of Vocational Education**

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Identical with SEC 622. May be repeated to a maximum of 3 hours when topic varies. May be taught concurrently with AGV 522. Cannot receive credit for both AGV 522 and AGV 622.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 623 Guidance for Vocational Development**

Materials, procedures, and problems involved in the guidance of individuals in the selection of, preparation for, and advancement in a vocation. May be repeated to a total of 3 hours when topics varies. May be taught concurrently with AGV 523. Cannot receive credit for both AGV 523 and AGV 623.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 625 Organization and Management in Vocational Education**

A systematic approach to defining and measuring occupational knowledge, skills and attitudes based upon an occupational analysis, instructional methodology, evaluation, and program standards. May be taught concurrently with AGV 525. Cannot receive credit for both AGV 525 and AGV 625.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 626 Coordination of Cooperative Education**

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Identical with SEC 626. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with AGV 526. Cannot receive credit for both AGV 626 and AGV 526.

**Credit hours:** 1-2
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 627 Teaching Adults in Vocational Education**

Rise of the adult education movement, learning abilities, educational interests, and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGE 608 and SEC 627. Cannot receive credit for AGV 627 and AGE 608 and SEC 627. May be taught concurrently with AGV 527. Cannot receive credit for both AGV 527 and AGV 627.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 628 Measurement and Evaluation of Vocational Education Programs**

Means for assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program to the manpower needs in a given labor market area. Identical with SEC 628. May be repeated to a total of 3 hours with departmental approval when topic varies. May be taught concurrently with AGV 528. Cannot receive credit for both AGV 528 and AGV 628.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 676 Teaching of Industrial/Vocational Subjects**

Instructional methods and techniques of teaching industrial/vocational education subjects; attaining objectives of career and technical education, design and evaluation of instructional units; classroom and laboratory management; and development of evaluative instruments. May be taught concurrently with AGV 576. Cannot receive credit for both AGV 576 and AGV 676.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 724 Organization and Administration of Vocational Education**

*Prerequisite: permission of instructor.*

Problems, procedures and local, state and federal relationships in the organization and administration of vocational education in the contemporary school. Identical with SFR 724. May be repeated to a total of 3 hours when topic varies.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGV 726 Seminar in Industrial Education**

*Prerequisite: permission of instructor.*

Presentation and discussion of professional or technical problems in the organization and management of programs and facilities in industrial education.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGV 760 Special Investigations**

*Prerequisite: permission of instructor.*

The student, in consultation with the advisor, selects for in-depth study an area determined by the interest/career objectives of the student. Based on demand and timeliness of the subject, a cluster study group may engage in a joint investigation.

**Credit hours:** 1-5
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Agricultural Business

## Major(s)

## Agricultural Business (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
Specific General Education Requirements: MTH 135(3) or MTH 138(5) or 181(3) or 261(5) or 287(3); PSY 121(3); GEP 101(2) or UHC 110(2) or AGR 301(1)

B. Major Requirements (58-65 hours)

1. AGN 115(3) or AGP 103(3); AGN 215(3); AGB 144(4); AGB 314(3) or LAW 231(3); AGB 334(3), 354(2), 364(2), 374(3), 394(1), 494(1); AGB 514(3) or ECO 565(3) or MKT 474(3); AGB 524(3); AGB 444(2) or AGR 499(2); AGR 330(3) or QBA 237(3); AGR 490(1); ACC 201(3)

2. Complete one course from: COM 315(3); MGT 286(3); AGB 384(2)

3. Complete CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4)

4. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGB 394(1), AGB 494(1), and AGR 490(1).

5. Complete one of the following options:

    a. **Agricultural Enterprise Management** (18 hours):

        1. AGB 344(3) or 534(3) or 584(3); MGT 384(3)

        2. Complete 12 hours from one of the following groups:

            a. Animal Science: AGS 101(4), 161(3), 301(3), 302(3), 306(3), 310(3) or 311(3), 316(3), 342(2), 346(2), 361(3), 402(2), 432(2), 442(3), 446(3), 451(3), 452(3), 461(2), 511(3); AGP 365(3) or 370(3)

            b. Natural Resources: AGN 335(3), 405(3), 455(3); AGP 485(3)

c. Environmental Plant Science: AGP 303(3), 333(3), 353(3), 363(3), 365(3), 370(3), 393(3), 403(3), 441(3), 543(3), 573(3), 575(2), 583(3)

b. **Agricultural Finance and Management** (22 hours):

1. ACC 211(3); AGB 344(3), 584(3); AGS 101(4)

2. Complete two courses from: ACC 311(3); AGB 534(3); ECO 305(3); FIN 266(3), 380(3), 485(3); INS 211(3), 415(3); MGT 340(3), 345(3)

3. Complete one course from: AGN 335(3); AGP 303(3), 353(3), 365(3), 370(3), 485(3), 583(3); AGR 383(3)-course deleted-see advisor; AGS 311(3)

c. **Agricultural Marketing and Sales** (16 hours):

1. AGB 344(3) or 534(3) or 584(3); AGS 101(4)

2. Complete two courses from: MKT 351(3), 354(3), 355(3), 360(3); MGT 340(3) or 345(3)

3. Complete one course from: AGN 335(3); AGP 303(3), 353(3), 365(3), 370(3), 485(3), 583(3); AGR 383(3)-course deleted-see advisor; AGS 311(3)

C. General Baccalaureate Degree Requirements

## Minor(s)

### Agricultural Business

Bachelor of Science

A. AGB 144(4), 394(1)

B. Additional hours from the following courses to total at least 20 hours in Agricultural Economics: AGB 334(3), 344(3), 354(2), 374(2), 524(3), 534(3), 584(3)

## Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both

the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Agriculture Education

## Major(s)

### Agriculture Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 101(3) and 111(1); PSY 121(3); GEP 101(2) or UHC 110(2) or AGR 301(1)

B. Major Requirements

   1. AGB 144(4), 334(3); AGE 337(3); AGP 103(3) or AGN 115(3); AGN 143(3), 215(3); AGN 335(3) or AGR 383(3)-course deleted-see advisor; AGP 303(3) or AGP 333(3) or AGP 543(3); AGS 101(4)

   2. CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4)

   3. AGE 318(2), 568(3), 578(2), 588(2)

   4. Area of Specialization: Students must select a minimum of 20 hours of Agriculture courses to complete 45 hours of Technical Agriculture required by the State Department of Education. These courses must consist of any agriculture course not required as a major or Professional Education requirement.

   5. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGE 493(5-6) and 494(5-6).

C. Professional Education courses. Note: A grade of “C” or better in each course is required for state certification.

   1. AGE 558(3), 493(5-6), 494(5-6)

   2. Professional Education Required Core and Competencies - see Teacher Education Program

D. General Baccalaureate Degree Requirements

E. This program also requires compliance with the Teacher Education Program for eligibility to

enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

## Minor(s)

### Agriculture

Bachelor of Science in Education (Non-Certifiable)

A. Select at least one course from each of the following areas: Agriculture Economics, Animal Husbandry, Soils, and Field Crops

B. Select at least one course from each of the following areas: Dairy Husbandry, Horticulture, and Poultry Husbandry

C. Select additional courses to complete 24 hours or more of agriculture. Students desiring to minor in agriculture on the Bachelor of Science in Education should confer with a member of the agriculture staff before scheduling to receive advice of desirable courses which meet their special needs.

## Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Animal Science

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Animal Science (BS, Minor)+

Companion Animal Science (Minor)

Equine Studies (Minor)

## Pre-professional curriculum in veterinary medicine

Students considering the Pre-Veterinary Program should consult with the Pre-Veterinary advisor in the Darr College of Agriculture.

**Option I:** To be eligible to apply to the College of Veterinary Medicine at the University of Missouri, a minimum of 64 hours must be completed including the following courses:

1. CHM 160(4), 161(1), 170(3), 171(1), 200(5), and 350(3)
2. COM 115(3); ENG 110(3); MTH 138(5), or 135(3) and 181(3); PHY 123(4) and 124(4)
3. 10 hours of biological sciences are recommended: BIO 210(3) or 310(5), and 380(5)
4. Additional 10 hours of coursework in the social sciences and humanities

## Contact

**Interim department head**

Gary W. Webb, PhD

**Office**

Karls Hall, Room 201

**Phone**

417-836-5638

**Fax**

417-836-6979

**Email**

Agriculture@missouristate.edu

**Website**

ag.missouristate.edu/as

**Option II:** By completing this option of approximately 100 hours, a student may apply for a B.S. degree in Animal Science from Missouri State University after successfully completing the first two years in the College of Veterinary Medicine at the University of Missouri.

1. General Education Requirements (43-51 hours)
2. Science and Mathematics Requirements (38-47 hours): BIO 210(3) or 310(5), 380(5); CHM 160(4),* 161(1),* 170(3), 171(1), 200(5) and 350(3); MTH 138(5)* or 135(3)* and 181(3); and PHY 123(4)* and 124(4)
3. Agriculture Requirements (32 hours): AGS 101(4), 301(3), 302(3) or 306(3), 311(3), 316(3) and 511(3); AGN 115(3) or AGP 103(3); AGN 215(3); AGB 144(4); AGR 330(3)

**May count toward General Education requirements.*

# Animal Science Faculty

## Professors

Ronald P. Del Vecchio, PhD

Gary W. Webb, PhD

## Associate professor

Elizabeth L. Walker, PhD

## Assistant professors

Phillip Lancaster, PhD

Lacy D. Sukovaty, DVM

## Senior instructor

Susan Webb, MS

## Instructor

William F. Boyer, MNAS

## Emeritus faculty

Dennis Schmitt, PhD, DVM

Missouri State

Office of the Registrar

Undergraduate Catalog



# Animal Science Courses

## Animal Science (AGS) courses

**AGS 101 Animal Science**

Introduction to farm animal industries, breeds, numbers, distribution, nutrition, heredity, reproduction, health and products. Supplemental course fee.

**Credit hours:** 4
**Lecture contact hours:** 4
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGS 161 Introduction to Horses**

Scope and role of the horse industry. Responsibilities of ownership; selection, breeds-development and uses; basic care-nutrition, health care, conditioning; and facilities.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGS 162 Introduction to Riding**

This is an introductory course with a focus on safe and effective techniques for both English and Western riding. Students are responsible for transportation and payment of a horse care fee. The course may be repeated for a total of 3 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGS 163 Introduction to Hunt Seat Equestrian Competition**

*Prerequisite: AGS 162 or permission of instructor.*

This course is for students who have limited or no experience in equestrian competition in the hunt seat discipline. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 263 or AGS 363. May be repeated for a total of 2 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGS 164 Introduction to Stock Seat Equestrian Competition**

*Prerequisite: AGS 162 or permission of instructor.*

This course is for students who have limited or no experience in equestrian competition in the stock seat discipline. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 264 or AGS 364. May be repeated for a total of 2 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGS 185 Introduction to Companion Animal Science**

An introduction to companion animal biology through consideration of the anatomy, nutrition, behavior, husbandry, and reproduction of companion animals. Course content is largely focused on cats and dogs, although other mammals, birds and reptiles commonly kept as pets will be discussed. Legal, economic, and ethical issues associated with companion animals will be addressed.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGS 191 Evaluation and Performance Appraisal of Horses**

Detailed evaluation of athletic performance of horses; influence of training and other environmental effects, heredity, and conformation; use of racing and performance records, visual appraisal, and industry trends; oral and written defense of judgments.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Upon demand
Projected offerings

**AGS 196 Dairy and Meat Animal Evaluation**

Comparative judging including selection, grading, and classification of dairy cattle, or beef cattle, swine and sheep. May be repeated with permission for up to 4 semester hours. Variable content course.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**AGS 262 Riding for Horse Training**

*Prerequisite: AGS 162.*

This is an intermediate-level riding course with a focus on developing skills necessary for training horses. Students may ride hunt seat, stock seat, or both seats during the semester. Students are responsible for transportation and payment of horse care fee. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall, Spring
Projected offerings

**AGS 263 Intermediate Hunt Seat Equestrian Competition**

*Prerequisite: permission of instructor.*

Recommended Prerequisite: AGS 163. This course is for students who have a moderate amount of experience in equestrian competition in the hunt seat discipline. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 163 or AGS 363. May be repeated for a total of 2 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGS 264 Intermediate Stock Seat Equestrian Competition**

*Prerequisite: permission of instructor.*

Recommended Prerequisite: AGS 163 or 164. This course is for students who have a moderate amount of experience in equestrian competition in the stock seat discipline. Events to be covered will include horsemanship and ranch horse events. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 164 or AGS 364. May be repeated for a total of 2 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGS 301 Physiology of Farm Animals**

Recommended Prerequisite: AGS 101 and BIO 101 and 111 and CHM 116 and 117. Basic physiology of farm animals with special emphasis on systems related to the economic importance of domestic animals such as the mammary, reproductive, endocrine, and other systems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 302 Reproductive Physiology**

Recommended Prerequisite: AGS 101 and BIO 101 and 111. Physiological principles of reproductive processes in domestic animals (production and companion) including sperm and ova production, estrus, fertilization, gestation, and parturition. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGS 306 Veterinary Science**

Recommended Prerequisite: AGS 101. Functional anatomy, diseases and parasites of farm animals; sanitation; disease prevention and control.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGS 310 Animal Nutrition**

Recommended Prerequisite: AGS 101; and CHM 107 or CHM 116 or CHM 160. Key topics include the basic fundamentals of nutrition and comparative nutrition of farm animals. Anatomy and physiology of the digestive system and basic metabolism will also be covered along with the characteristics, digestion and functions of the basic nutrients.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGS 311 Feeds and Feeding**

Recommended Prerequisite: AGS 101 and AGS 310; and MTH 130 or higher. Feed composition and formulation of livestock rations.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGS 316 Animal Breeding**

Recommended Prerequisite: AGS 101 and MTH 102 or higher. Principles of heredity applied to the improvement of farm animals; variation, selection, inbreeding and crossbreeding.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGS 342 Meat Science and Products**

Recommended Prerequisite: AGS 101 and either CHM 116 and 117 or CHM 160. Processing, inspection, grading, preservation and nutritive value of meats and meat products.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGS 346 Dairy Products**

Recommended Prerequisite: AGS 101 and either CHM 116 and 117 or CHM 160. Processing, inspection, grading, preservation and nutritional value of dairy products.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGS 361 Horse Management and Training**

Recommended Prerequisite: AGS 161 or previous experience with horses. Survey of management and basic handling of horses. Feeding management, health care and equine enterprise management are emphasized. Instruction in fitting for show or sale, practical horse psychology and training for basic performance is given.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring, Summer
Projected offerings

**AGS 362 Riding Instruction**

*Prerequisite: AGS 162.*

This is an advanced-level riding course with a focus on developing skills necessary for basic riding instruction. Students may ride hunt seat, stock seat, or both seats during the semester. Students are responsible for transportation and payment of horse care fee. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**AGS 363 Advanced Hunt Seat Equestrian Competition**

*Prerequisite: permission of instructor.*

Recommended Prerequisite: AGS 263. This course is for students who are ready to compete in advanced levels of equestrian competition in the hunt seat discipline. Events to be covered will include over fences classes. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 163 or AGS 263. May be repeated for a total of 2 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGS 364 Advanced Stock Seat Equestrian Competition**

*Prerequisite: permission of instructor.*

Recommended Prerequisite: AGS 263 or 264. This course is for students who are ready to compete in advanced levels of equestrian competition in the stock seat discipline. Events to be covered will include reining and ranch horse events. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 164 or AGS 264. May be repeated for a total of 2 hours. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGS 385 Companion Animal Management I**

Recommended Prerequisite: AGS 185. Application of the reproductive and nutritional management of companion animals. Course will focus on reproductive anatomy and physiology of dogs and cats as pertaining to both breeding and population control. Discussion of nutritional requirements and management of companion animals will focus on dog and cats through different life stages. Course will include some discussion of nutritional issues in commonly kept "pocket pets". Materials will be addressed through discussion and hands on labs.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGS 389 Companion Animals in Society**

This course explores the current role of companion animals in cultures throughout the world, as well as historical functions and influences of companion animals in the United States. Covered topics include evolution of companion animals, current issues with companion animals, use of animals for service and assistance, global growth of the pet industry, and roles of companion animals in developing countries.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 391 Animal Industry Tour**

This course will provide students an opportunity to see and meet people actively working in sustainable animal production businesses or doing research in sustainable animal based agriculture. Students and faculty will travel across the country meeting production agriculturalists, scientists, and teachers from a wide variety of locations. May be repeated up to 4 hours.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGS 396 Advanced Dairy and Meat Animal Evaluation**

Recommended Prerequisite: AGS 196. Continuation of AGS 196 with special emphasis on comparative judging and giving of oral reasons. A variable content course; may be repeated for up to 4 semester hours.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Spring
Projected offerings

**AGS 402 Applied Reproductive Techniques**

*Prerequisite: AGS 302.*

Techniques of artificial insemination, pregnancy determination, semen processing and collecting, and embryo transfer. Planning and management for successful artificial breeding programs. Additional Saturday field trips may be required. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGS 432 Sheep and Goat Science**

Recommended Prerequisite: AGB 144 and AGN 115 and AGS 301 and AGS 311. Applications of the principles of nutrition, physiology and genetics to sheep and goat management. Wool and mohair production.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 442 Swine Science**

Recommended Prerequisite: AGS 311. Applications of the principals of nutrition, physiology and genetics of swine management.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGS 446 Dairy Production**

Recommended Prerequisite: AGS 311. Efficient dairy farm enterprise organization, feed supplies, economical rations, breeding record analysis, labor-saving buildings and equipment, herd replacements, health and other management problems.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall (even-numbered years)
Projected offerings

**AGS 451 Poultry Science**

Recommended Prerequisite: AGS 101. Broiler production, market turkey production, egg production and processing of poultry products.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGS 452 Beef Cattle Production**

Recommended Prerequisite: AGS 101. Production and management of purebred and commercial beef cattle. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGS 461 Equine Nutrition and Physiology**

Recommended Prerequisite: AGS 310; or AGS 311 and AGS 301 or AGS 302. Nutrition and physiology for the production, management and use of the equine. May be taught concurrently with AGS 661. Cannot receive credit for both AGS 461 and AGS 661.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 485 Companion Animal Management II**

*Prerequisite: AGS 385.*

Students will learn how an understanding of innate and learned behaviors in dogs and cats can be applied in shelter and breeding settings. Students will learn the fundamentals of socialization periods, behavioral assessments, and training. Students will learn to assess environmental factors that lead to behavior issues and apply this knowledge to improving environments and providing enrichment in facilities that house dogs and cats. Students will gain an understanding of how behavior affects the human-animal bond.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGS 492 Problems in Animal Science**

*Prerequisite: permission of instructor.*

Assigned investigations dealing with current problems in animal science supervised by an agricultural staff member. Student prepares outline, investigates the sources of information concerning the subject, and summarizes his/her findings in a written report. May be repeated with permission.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**AGS 511 Animal Nutrition and Metabolism**

*Prerequisite: C- or better in AGR 300 or CHM 201; and C- or better in AGS 310 or CHM 352.*

Utilization and metabolism of nutrients by domestic animals; role of vitamins and minerals. May be taught concurrently with AGS 611. Cannot receive credit for both AGS 611 and AGS 511.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 611 Animal Nutrition and Metabolism**

*Prerequisite: C- or better in AGR 300 or CHM 201; and C- or better in AGS 310 or CHM 352.*

Utilization and metabolism of nutrients by domestic animals; role of vitamins and minerals. May be taught concurrently with AGS 511. Cannot receive credit for both AGS 511 and AGS 611.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 661 Equine Nutrition and Physiology**

Recommended Prerequisite: courses in animal nutrition and physiology. Topics covered will include nutrition and both reproductive and exercise physiology for the production and management of the equine. May be taught concurrently with AGS 461. Cannot receive credit for both AGS 661 and AGS 461.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 712 Special Topics in Animal Science**

*Prerequisite: permission of instructor.*

Special study in an identified area of animal science not treated in other courses. Recent advances and new research techniques will be discussed. May be repeated when topic varies up to 6 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGS 716 Mammalian Reproductive Physiology**

Recommended Prerequisite: AGS 302. Comparative anatomy and physiological processes of reproduction with an emphasis on domestic and laboratory animals. Fertilization through embryonic development, pregnancy, and growth to sexual maturity, reproductive efficiency and application of reproductive technology.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 752 Advanced Cow-Calf Production**

Students will gain knowledge in current cow-calf management practices through reading of current and classic scientific literature. Students will engage in discussion of scientific research publications on topics of cattle nutrition, forages and grazing management, reproduction, genetics and breeding, and animal health. Students will gain verbal and written communication skills through oral presentations, and writing of review papers and project proposals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGS 753 Advanced Stocker and Feedlot Cattle Production**

Students will gain knowledge in current stocker/feedlot cattle management practices through reading of current and classic scientific literature. Students will engage in discussion of scientific research publications on topics of cattle nutrition, forages and grazing management, animal growth and body composition, beef carcass merit, and animal health. Students will gain verbal and written communication skills through oral presentations, and writing of review papers and project proposals.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

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# Animal Science

## Major(s)

### Animal Science (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
Specific General Education Requirements: BIO 101(3) and 111(1) or BIO 121(4); GEP 101(2) or UHC 110(2) or AGR 301(1)

B. Major Requirements

1. AGB 144(4); AGP 103(3) or AGN 115(3); AGP 365(3) or 370(3); AGR 300(3), 490(1); AGS 101(4), 301(3), 302(3), 310(3), 311(3), 316(3)

2. CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4)

3. Public Affairs Capstone Experience Requirement: AGS 432(3) or 442(3) or 446(3) or 451(3) or 452(3) or 461(3). May be used to satisfy Group A.

4. Select a minimum of 24 hours from the following two groups of courses including at least eight hours from each group:

    a. Group A courses: AGR 399(1-5); AGS 161(3), 162(1), 191(2), 196(2), 262(2), 306(3), 342(2), 346(2), 361(3), 362(3), 402(3), 432(3), 442(3), 446(3), 451(3), 452(3), 461(3), 492(1-4), 511(3)

    b. Group B courses: AGB 314(3), 334(3), 344(3), 354(3), 364(2), 374(3), 384(2), 394(1), 444(3), 494(1), 514(3), 524(3), 534(3), 584(3); AGN 143(3, 215(3), 216(3), 335(3), 405(3); AGR 250(2), 330(3), 370(3), 377(3), 383(3)-course deleted-see advisor, 399(1-3), 499(3)

C. General Baccalaureate Degree Requirements

## Minor(s)

### Animal Science

Bachelor of Science

A. AGS 101(4), 311(3)

B. additional hours from other courses in Animal Science to total at least 20 hours.

## Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Companion Animal Science

## Minor(s)

### Companion Animal Science

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science
A minor in Companion Animal Science provides students with a broad foundation of knowledge in the physiology, anatomy, nutrition, reproduction, welfare, behavior, and husbandry of companion animals. The minor prepares students for all aspects of care and management of companion animals. Pre-veterinary students can utilize the curriculum in preparing for veterinary school.

Complete AGS 101(4), 185(3), 310(3), 385(3), 389(3), 485(3)

# Equine Studies

## Minor(s)

### Equine Studies

Bachelor of Arts
Bachelor of Science

A. AGS 101(4), 161(3), 191(2), 311(3), 461(2)

B. 6 additional hours from courses in Equine Studies to be determined by consultation with advisor.

# Department of Environmental Plant Science and Natural Resources

## Programs

+Indicates accelerated graduate program is available

### Undergraduate

Agronomy (Minor)

Environmental Plant Science (BS)+

Forestry (Minor)

Horticulture (Minor)

Natural Resources (BS)+

Wildlife Conservation and Management (BS)+

### Graduate

Plant Science (MS)+

## Contact

**Interim department head**

Chin-Feng Hwang, PhD

**Office**

Karls Hall, Room 201

**Phone**

417-836-5638

**Fax**

417-836-6979

**Email**

Agriculture@missouristate.edu

**Website**

ag.missouristate.edu/epsnr

# Environmental Plant Science and Natural Resources Faculty

## Professors

Ronald P. Del Vecchio, PhD

Chin-Feng Hwang, PhD

Maciej A. Pszczolkowski, PhD

## Research professors

Martin L. Kaps, PhD

Wenping Qiu, PhD

Karl L. Wilker, PhD

## Associate professors

Clydette M. Alsup-Egbers, PhD

Michael G. Burton, PhD

## Assistant Professors

Michael Goerndt, PhD

Sarah Lancaster, PhD

William E. McClain, PhD

Melissa A. Remley, PhD

## Clinical instructors

Jennifer S. Morganthaler, BS

Marilyn B. Odneal, MS

## Emeritus faculty

Ben D. Fuqua, PhD

Pamela Trewatha, PhD

Missouri State

Office of the Registrar

Undergraduate Catalog



# Environmental Plant Science and Natural Resources Courses

## Agricultural Natural Resources (AGN) courses

**AGN 115 Sustainable Agriculture and the Environment**

This course examines the practice of agro-ecology: the interface of management, biology, and the environment in our effort to produce food, feed, and fiber for a rapidly growing human population. Consequences of historical and current practices, as well as strengths and weaknesses of alternative practices that attempt to employ more knowledge of biology and ecology, will also be evaluated.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGN 143 Introductory Forestry**

Introduction to field of forestry. In addition to traditional topics of species identification, biology and timber management, this course examines the sociological, environmental, political and industrial influences on domestic and international management of forest resources.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGN 215 Soils**

Recommended Prerequisite: CHM 107 or 116 or CHM 160. Physical, chemical and biological activities within the soil as related to moisture, temperature, drainage, and tillage.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGN 216 Soils Lab**

Recommended Prerequisite: AGN 215 or concurrent enrollment. Laboratory and computer methods for evaluation of the physical, chemical and biological properties of soil. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGN 335 Soil Conservation and Water Management**

Recommended Prerequisite: AGP 103 or AGN 115 or AGN 215. The history and policies surrounding management of soil and water resources will be considered, but the majority of class time will be used addressing the processes of erosion and nutrient loss, and the practices used to conserve natural resources and sustain productivity/function of cropland, pasture, urban, and wild landscapes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**AGN 343 Measurements and Sampling for Forest Management**

*Prerequisite: AGN 143.*

Theory and practice of forest sampling and cruising techniques including: stratified and non-stratified sampling systems with fixed plots, variable plots, and tree measurement techniques. Special emphasis is placed on practical application of forest measurements through field experience and computer-based learning.

**Credit hours:** 4
**Lecture contact hours:** 2
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**AGN 345 Forest Ecosystems**

*Prerequisite: AGN 143.*

This course will focus on factors affecting forest structure and composition, the effects of environmental gradients on plant species distribution, the dynamics of vegetation communities over time, and key ecosystem-level processes such as the cycling of carbon and nutrients.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGN 351 Game Bird Production**

Production and management of quail, pheasants and other game birds. Supplemental course fee.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGN 405 Soil Fertility and Plant Nutrition**

Recommended Prerequisite: AGN 215. Principles of soil fertility, amendments and factors affecting nutrient availability and plant growth. Supplemental course fee. May be taught concurrently with AGN 605. Cannot receive credit for both AGN 405 and AGN 605.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGN 455 Soil Genesis, Morphology and Classification**

Recommended Prerequisite: AGN 215. Pedogenetic processes that are responsible for genesis, morphology, and classification of the twelve orders of soil taxonomy will be covered along with interpretation of water relationships, site characteristics, soil classification and land use. May be taught concurrently with AGN 655. Cannot receive credit for both AGN 455 and AGN 655. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**AGN 465 Environmental Soil Science**

Techniques in gathering onsite soil and other field data to develop reports for nutrient and pest management plans, soil evaluations for home sewage disposal systems, storm water pollution prevention plans, log soil pits by unified soil classification for pond site investigations, and use soil survey information for crop production and conservation planning, as well as how soil survey information is used to make highly erodible land and wetland determinations. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGN 495 Problems in Plant Science and Natural Resources**

*Prerequisite: permission of instructor.*

Assigned investigations, dealing with current problems in plant science and soil science supervised by an agricultural staff member. Student prepares outline, investigates sources of information concerning the subject, and summarizes the findings in a written report. May be repeated with permission.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring
Projected offerings

**AGN 543 Silviculture**

*Prerequisite: AGN 143.*

This course will examine natural tree and stand development, as well as fundamentals of forest stand dynamics, site productivity, stand density and tree growth. As such, this course will provide a scientific and practical basis for concepts such as regeneration techniques, density management, wildlife habitat management and other silvicultural principles.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGN 605 Soil Fertility and Plant Nutrition**

Theoretical and applied aspects of soil fertility emphasizing ion transport, nutrient availability, and root absorption in soils-plant environments. May be taught concurrently with AGN 405. Cannot receive credit for both AGN 605 and AGN 405. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGN 655 Soil Genesis, Morphology and Classification**

Recommended Prerequisite: AGN 465. Pedogenetic processes, macromorphology, micromorphology, redoximorphic features, and classification as related to soil taxonomy, with GIS applications for use of soil survey information discussed, if time allows. May be taught concurrently with AGN 455. Cannot receive credit for both AGN 655 and AGN 455.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Upon demand
Projected offerings

**AGN 725 Advanced Soils Interpretations**

Recommended Prerequisite: AGN 465. Field interpretation of physical and chemical properties, water relationships, and soil landscape relationships.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 3

**Typically offered:** Upon demand
Projected offerings

## Agricultural Plant Science (AGP) courses

**AGP 103 Plant Science**

An introduction to the fascinating world of plant science and plant physiology including the areas of food and ornamental crops and sustainable agriculture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 104 Plant Science Laboratory**

*Prerequisite: AGP 103 or concurrent enrollment or permission of instructor.*

Provides opportunities for 'hands-on' application of concepts of plant science through the use of basic plant science research and production practices. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGP 121 Introduction to Wine**

An introduction to wine in the modern world. History, classification, production and the geography of wine. The basics of wine appreciation will also be examined.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 300 Wine Appreciation for Consumers**

*Prerequisite: must be 21 years of age or older.*

Students participate in a series of tastings designed to introduce them to the major wine types and the range of styles within those types. Tests and other materials will be available online. Supplemental course fee.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Spring, Upon demand
Projected offerings

**AGP 303 Suburban Horticulture**

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Horticultural concepts and their application to the growth and maintenance of fruit, vegetables and ornamentals common to most homes. Will not count toward the Environmental Plant Science major or Horticulture minor.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 325 Herbaceous Plants**

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Nomenclature, identification, characteristics and cultural requirements of indoor and outdoor herbaceous ornamental plants.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGP 333 Landscape Design**

Theory and practice of landscaping including elementary design.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGP 353 Turf Science**

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. A scientific approach to the physiology of turfgrass in response to the environment, and the selection, establishment, maintenance and pest management relevant to utility, lawn and sports turf. Field trips required. May be taught concurrently with AGP 653. Cannot receive credit for both AGP 353 and AGP 653.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 363 Landscape Plants**

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. Identification, classification and adaptation of common trees, shrubs and groundcovers used for landscape purposes.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGP 365 Grain Crops for Food, Feed and Energy**

*Prerequisite: AGP 103 or AGN 115.*

Adaptation, production, and utilization of the major grain crops for human and animal (livestock and wildlife) consumption and energy production. May be taught concurrently with AGP 665. Cannot receive credit for both AGP 365 and AGP 665.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 370 Forage Crops for Animals and the Environment**

*Prerequisite: AGP 103 or AGN 115.*

Adaptation, production and utilization of the major forage crops for grazing, hay, and silage production, as well as their effects on environmental quality and wildlife. Supplemental course fee. May be taught concurrently with AGP 670. Cannot receive credit for both AGP 370 and AGP 670. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 393 Fruit Production**

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. The culture and management of tree fruit, grapes, strawberries and other small fruit. Nuts, tropical and subtropical fruits, sustainable management, and production technology are also addressed. May be taught concurrently with AGP 701. Students cannot receive credit for both AGP 393 and AGP 693.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 403 Nursery Management**

Recommended Prerequisite: AGP 363 or BIO 334 or BIO 339. General principles and practices involved in the commercial production, management, and marketing of landscape plants. Field trips required.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall (odd-numbered years)
Projected offerings

**AGP 433 Advanced Landscape Design**

*Prerequisite: AGP 333; and AGP 325 or AGP 363.*

Concepts and development of sustainable landscapes for residential, commercial and government land, including rain gardens, green roofs, riparian buffer zones, prairie and wetlands, plus more in-depth coverage of specialized landscape areas such as water gardens and Japanese-style gardens. Training in use of landscape design 2D/3D software is included.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)
Projected offerings

**AGP 441 Vegetable Production**

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Methods and practices of home and commercial vegetable production with an emphasis on using environmentally-friendly production and maintenance techniques to optimize yield and quality of vegetables. The purpose of this course is to familiarize students with the practices required for commercial production of a wide variety of vegetables. May be taught concurrently with AGP 641. Cannot receive credit for both AGP 441 and AGP 641. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 442 Vegetable Production Practicum**

*Prerequisite: AGP 441 or concurrent enrollment.*

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. Exposing students to basic and advanced principles of growing vegetable crops, this is a hands-on immersion in vegetable production, including crop planning, preparing the garden/field, creating and/or maintaining healthy garden soils, crop propagation, multiple methods of constructing plant support and season-extension structures, cultural care including pest control, fertilization and attracting beneficial organisms to the soil and plants, harvesting, and proper postharvest techniques.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGP 453 Crop Physiology**

Recommended Prerequisite: AGP 103 or BIO 101 and 111; 3 hours additional AGP or BIO plant courses. General, stress-related and post-harvest physiology of horticulture and agronomic crops in relationship to their environments. May be taught concurrently with AGP 633. Cannot receive credit for both AGP 453 and AGP 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)
Projected offerings

**AGP 485 Weed Science**

Recommended Prerequisite: AGP 103 or AGN 115 or AGN 365 or AGN 370; and BIO 121 or BIO 101 and 111; and either CHM 107 or CHM 116 or CHM 160. Identification, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGP 496 Independent Study in Fruit Science**

The student, with the approval of the instructor, conducts an in-depth literature review and writes a paper on a subject within the area of fruit production, fruit processing, or fruit marketing. May be repeated for a total of 3 hours.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**AGP 513 Insects Affecting Horticulture and Forestry Crops**

*Prerequisite: permission of instructor.*

Identification, life histories and control methods of insects affecting gardens, ornamental plants, orchards and forests. May be taught concurrently with AGP 613. Cannot receive credit for both AGP 513 and AGP 613.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**AGP 543 Greenhouse Management**

Recommended Prerequisite: AGP 103. Factors involved in site selection, construction, and management of greenhouses and other controlled-environment structures for production of floriculture and food crops. Sustainable production methods are emphasized. Supplemental course fee. May be taught concurrently with AGP 663. Cannot receive credit for both AGP 543 and AGP 663.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGP 573 Plant Propagation**

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121; CHM 107 or CHM 116 or CHM 160. Practices employed by fruit and ornamental plant producers in propagation of plants, including seeds, cuttings, layerings, grafting and micropropagation. Supplemental course fee. May be taught concurrently with AGP 643. Cannot receive credit for both AGP 573 and AGP 643.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**AGP 575 Plant Breeding and Genetics**

Recommended Prerequisite: AGP 103 or AGN 115. Application of genetic principles to the improvement of crop plants. Includes self-pollinated, cross-pollinated, and asexually-propagated crops. May be taught concurrently with AGP 675. Cannot receive credit for both AGP 575 and AGP 675.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 576 Plant Breeding and Genetics Lab**

*Prerequisite: AGP 575 or concurrent enrollment.*

Laboratory activities related to plant breeding and genetic improvement of crop plants. May be taught concurrently with AGP 676. Cannot receive credit for both AGP 576 and AGP 676.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGP 580 Plant Biotechnology**

This course provides lecture and hands-on exposure to general plant biotechnology, including DNA and RNA extraction, cloning and sequence analysis of DNA fragments, detection of plant viruses by polymerase chain reaction (PCR) and generation of genetically-modified plants. May be taught concurrently with AGP 680. Students cannot receive credit for both AGP 580 and AGP 680.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGP 581 Applied Entomology**

Principles of insect life; careful study of a number of common insect pests, their identification and control.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 583 Plant Pathology**

Recommended Prerequisite: 9 hours of plant science (AGP). Diseases and physiological disorders of fruit, vegetables, agronomic crops and ornamental plants. Emphasis is placed on the interactions between plants and pathogenic organisms, on environmental factors that cause plant diseases, and on disease control methods that reduce or eliminate the need for chemical applications. Students will gain insight into the techniques to manage plant diseases, and the impact plant diseases have on humans and the environment. May be taught concurrently with AGP 683. Cannot receive credit for both AGP 583 and AGP 683.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 584 Insect Identification**

Recommended Prerequisite: AGP 581 or concurrent enrollment. Identification of insect and other arthropod pests of crops, forest, feed, livestock and buildings, as well as beneficial insects/arthropods.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGP 585 Weed Ecology and Management**

Recommended Prerequisite: AGN 115 or AGP 103 or AGP 365 or AGP 370; and BIO 121 or BIO 101 and 111; and either CHM 107 or CHM 116 or CHM 160. Ecology, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 586 Weed Identification**

Recommended Prerequisite: AGP 585 or concurrent enrollment. Identification of crop, pasture and invasive weeds of mid-south central U.S. and methods for their control.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**AGP 613 Insects Affecting Horticulture and Forestry Crops**

*Prerequisite: permission of instructor.*

Identification, life histories and control methods of insects affecting gardens, ornamental plants, orchards and forests. May be taught concurrently with AGP 513. Cannot receive credit for both AGP 613 and AGP 513.

**Credit hours:** 3
**Lecture contact hours:** 1
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**AGP 633 Crop Physiology**

Recommended Prerequisite: AGP 103 or BIO 101 and 111; 3 hours additional AGP or BIO plant courses. General, stress-related and post-harvest physiology of horticulture and agronomic crops in relationship to their environments. May be taught concurrently with AGP 453. Cannot receive credit for both AGP 453 and AGP 633.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 641 Vegetable Production**

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Methods of commercial vegetable production with an emphasis on using sustainable production techniques to optimize yield and quality of vegetables. The purpose of this course is to expand knowledge in commercial vegetable production. May be taught concurrently with AGP 441. Cannot receive credit for both AGP 641 and AGP 441. Supplemental course fee.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 643 Plant Propagation**

Recommended Prerequisite: AGP 103; and AGN 115 or BIO 121; and CHM 107 or CHM 116 or CHM 160. Practices employed by fruit and ornamental plant producers in propagation of plants, including seeds, cuttings, layerings, grafting and micropropagation. Supplemental course fee. May be taught concurrently with AGP 573. Cannot receive credit for both AGP 643 and AGP 573.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Spring (odd-numbered years)
Projected offerings

**AGP 653 Turf Science**

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. A scientific approach to the physiology of turfgrass in response to the environment, and the selection, establishment, maintenance and pest management relevant to utility, lawn and sports turf. Field trips required. May be taught concurrently with AGP 353. Cannot receive credit for both AGP 353 and AGP 653.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 663 Greenhouse Production**

Recommended Prerequisite: AGP 103. Factors involved in site-selection, construction and management of greenhouses and other controlled-environment structures for production of floriculture and food crops. Sustainable production methods are emphasized. Supplemental course fee. May be taught concurrently with AGP 543. Cannot receive credit for both AGP 663 and AGP 543.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 665 Grain Crops for Food, Feed and Energy**

Adaptation, production, and utilization of the major grain crops for human and animal (livestock and wildlife) consumption and energy production. May be taught concurrently with AGP 365. Cannot receive credit for both AGP 665 and AGP 365.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 670 Forage Crops for Animals and the Environment**

*Prerequisite: AGP 103 or AGN 115 or equivalent.*

Adaptation, production and utilization of the major forage crops for grazing, hay, and silage production, as well as their effects on environmental quality and wildlife. May be taught concurrently with AGP 370. Cannot receive credit for both AGP 670 and AGP 370.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 675 Plant Breeding and Genetics**

Recommended Prerequisite: AGP 103 or AGN 115. Application of genetic principles to the improvement of crop plants. Includes self-pollinated, cross-pollinated, and asexually-propagated crops. May be taught concurrently with AGP 575. Cannot receive credit for both AGP 675 and AGP 575.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 676 Plant Breeding and Genetics Lab**

*Prerequisite: AGP 575 or AGP 675 or concurrent enrollment.*

Laboratory activities related to plant breeding and genetic improvement of crop plants. May be taught concurrently with AGP 576. Cannot receive credit for both AGP 676 and AGP 576.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**AGP 680 Plant Biotechnology**

This course provides lecture and hands-on exposure to more in-depth concepts in plant biotechnology, including DNA and RNA extraction, cloning and sequence analysis of DNA fragments, detection of plant viruses by polymerase chain reaction (PCR) and generation of genetically-modified plants. May be taught concurrently with AGP 580. Cannot receive credit for both AGP 580 and AGP 680.

**Credit hours:** 2
**Lecture contact hours:** 1
**Lab contact hours:** 2

**Typically offered:** Fall
Projected offerings

**AGP 683 Plant Pathology**

Recommended Prerequisite: 9 hours of plant science (AGP). Continued study into diseases and physiological disorders of fruit, vegetables, agronomic crops and ornamental plants. Emphasis is placed on the interactions between plants and pathogenic organisms, on environmental factors that cause plant diseases, and on disease control methods that reduce or eliminate the need for chemical applications. Students will gain insight into the techniques to manage plant diseases, and the impact plant diseases have on humans and the environment. May be taught concurrently with AGP 583. Cannot receive credit for both AGP 683 and AGP 583.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 685 Weed Ecology and Management**

*Prerequisite: AGP 103 or AGN 115; and BIO 101 or BIO 121; and CHM 107 or CHM 116 or CHM 160.*

Recommended Prerequisite: AGP 353 or AGP 365 or AGP 370 or AGP 393 or AGP 441. Ecology, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems. May be taught concurrently with AGP 585. Cannot receive credit for both AGP 685 and AGP 585.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 693 Fruit Production**

*Prerequisite: permission of instructor.*

The culture and management of perennial fruit crops adapted to temperate climates. Physiology, technology, and research as it applies to modern production practices will be emphasized. May be taught concurrently with AGP 393. Students cannot receive credit for both AGP 693 and AGP 393.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**AGP 700 Plant Science Colloquium**

*Prerequisite: permission of graduate coordinator.*

A series of oral presentations on new developments in plant science. Presentations to be made by faculty members, students, and guest speakers from industry and academe. May be repeated, but not more than 2 hours may be counted toward the MS degree.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**AGP 711 Viticulture**

Recommended Prerequisite: BIO 644. Principles of growing grapes based upon the genetics, physiology, development and morphology of the genus Vitis; the environments in which grapes are grown; and the uses of grapes.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 721 Enology**

Recommended Prerequisite: BIO 310. The course will study the chemistry, microbiology, and technology of modern wine production.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 722 Enology Lab**

*Prerequisite: AGP 721.*

Laboratory techniques in assessing wine production methods and quality.

**Credit hours:** 2
**Lecture contact hours:** 0
**Lab contact hours:** 4

**Typically offered:** Fall
Projected offerings

**AGP 730 Advanced Topics in Plant Science**

*Prerequisite: permission of instructor.*

An advanced topic in plant science will be addressed via faculty lectures and student projects. Examples of proposed topics include: Improved Disease Resistance in Viticulture, and Application of Field Collected Data to Computer Analysis. Variable content course. May be repeated to a total of 6 hours with differing topics.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall
Projected offerings

**AGP 731 Plant Genetic Engineering**

*Prerequisite: permission of instructor.*

Principles, methodology, and commercial applications of plant biotechnology. Includes brief introduction to nucleic acid structure, gene regulation, and genome organization in eukaryotic and prokaryotic organisms.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Spring
Projected offerings

**AGP 753 Plant Stress Physiology**

*Prerequisite: permission of instructor.*

The effects of environmental stresses on plant physiological functions and plant growth, plus cultural methods to help plants adapt to stress.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**AGP 773 Plant Growth Regulation**

*Prerequisite: permission of instructor.*

The role of natural and synthetic plant hormones and related compounds in the growth, reproduction and cultivation of plants.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

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# Agronomy

## Minor(s)

### Agronomy

Bachelor of Science

A. AGN 115 or AGP 103(3)

B. Additional hours from the following courses to total at least 20 hours: AGN 143(3), 215(3), 335(3), 405(3); AGP 365(3), 370(3), 583(3), 485(3), 575(2); AGR 300(3)

# Environmental Plant Science

## Major(s)

### Environmental Plant Science (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 121(4) or BIO 101(3) and 111(1); GEP 101(2) or UHC 110(2) or AGR 301(1)

B. Major Requirements

1. AGP 103(3), 104(1), 453(3); AGN 115(3), 215(3), 216(1), 405(3); AGB 144(3) or ECO 155(3); and ECO 165(3); AGR 300(3), 490(1), 499(3); CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4) and 161(1)

2. Core Pest Management Requirements:

   a. AGP 485(3) or 585(3); AGP 583(3); AGP 581(3)

   b. Select two courses from the following: AGP 584(1), AGP 586(1)

3. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGR 499(3).

4. Complete one of the following emphasis areas:

   a. Business Emphasis: (8-9 hours)

      1. ACC 201(3); AGB 334(3) or MKT 350(3)

      2. Select one course from the following: AGB 354(2), 364(2), 374(3); MGT 340(3), 384(3)

   b. Science Emphasis: (10-18 hours) Select four courses from the following: AGN 495(1-3), AGP 496(1-3); AGP 575(3); AGR 330(3); BIO 122(4); BIO 210(3) or 310(5); BIO 235(4), 334(3), 369(4), 436(4), 544(4); CHM 352(3)

5. Complete one of the following options:

    a. **Horticulture (21-22 hours)**

        1. AGP 325(3), 363(3), 393(3), 441(3), 573(3)

        2. Horticulture Electives-select two courses from the following: AGN 143(3); AGN 335(3); AGP 333(3), 353(3), 403(3), 433(2), 442(1), 543(3); TCM 110(3) or foreign language courses 300 level or higher or international study course approved by major advisor.

    b. **Crop Science (21-23 hours)**

        1. AGN 335(3), 465(3)

        2. Crop Production courses-select two courses from the following: AGP 441(3), 365(3), 370(3), 393(3)

        3. Crop Science Electives-select three courses from the following: AGN 143(3); AGS 101(4), 311(3); GRY 360(3), 363(4); or additional AGP courses 300 level or higher or international study course approved by major advisor.

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific

admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Forestry

## Minor(s)

### Forestry

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

A. Complete following 3 courses: AGN 143(3), AGN 343(3), AGN 543(3)

B. Complete 5-6 hours from: AGN 345(3); AGR 399(3) Topics in Forestry; Dendrology and Wood Science; or Fire Management

C. Complete additional hours from following to total at least 20 hours: AGN 335(3), AGP 583(3), BIO 339(2), BIO 369(4), GRY 360(3), GRY 363(4), MTH 340(3)

# Horticulture

## Minor(s)

### Horticulture

Bachelor of Science

A. AGN 115 or AGP 103(3)

B. Additional hours from the following courses to total at least 20 hours: AGP 333(3), 353(2), 363(3), 393(3), 441(3), 543(3), 573(3), 583(3); AGR 383(3)-course deleted-see advisor

# Natural Resources

## Major(s)

### Natural Resources (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 101(3) and 111(1) or BIO 121(4); GLG 110(4) or GRY 135(4) or GRY 142(4); GEP 101(2) or UHC 110(2) or AGR 301(1)

B. Major Requirements

   1. AGB 144(4); AGN 115(3), 215(3), 335(3), 405(3), 465(3); AGR 300(3), 490(1), 499(3); AGS 101(4)

   2. CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4)

   3. Select one course from: AGP 441(3), 353(3), 365(3), 370(3), 393(3)

   4. Select one course from: AGB 314(3) or 354(2)

   5. Core pest management requirements: AGP 583(3), 485(3); AGR 383(3)-course deleted-see advisor

   6. Select 6 hours from: AGB 394(1), 494(1); AGN 143(3); AGP 103(3), 453(3); GRY 360(3), 363(4)

   7. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGR 499(3).

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both

the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Wildlife Conservation and Management

## Major(s)

### Wildlife Conservation and Management (Comprehensive)

Bachelor of Science
This major is offered in cooperation with the Biology Department.

A. General Education Program and Requirements
Specific General Education Requirements: BIO 121(4); GLG 110(4), GRY 100(3); MTH 135 or 138(5)

B. Major Requirements

1. Agriculture Requirements:

   a. AGN 115(3) or AGP 103(3); AGN 143(3), 215(3), 335(3); AGP 365(3) or 370(3); AGR 383(3)-course deleted-see advisor; AGR 490(1); GEP 101(2) or UHC 110(2) or AGR 301(1)

   b. Select two courses (4-6 hours) from: AGB 354(2); AGN 351(2); AGP 333(3), 485(3), 583(3)

2. Biology Requirements:

   a. BIO 121(4)*, 122(4)*, 334(3), 339(2), 373(3)

   b. Select one course from: BIO 369(4), 436(4), 562(4)

   c. Select two courses from: BIO 573(3), 575(3), 577(3)

   *Students who have prior credit for BIO 134 and 167 combination are not required to take BIO 121 and 122; BIO 121 and 122 cannot count as degree credit if BIO 134 and 167 are counted as credit.

3. Complete CHM 116(4) and 117(1); or CHM 160(4)

4. Select ten additional hours in Agriculture and/or Biology

5. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGP 365(3) or 370(3).

C. General Baccalaureate Degree Requirements

## Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

## Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

# Department of Library Science

## Programs

### Undergraduate

No undergraduate programs are offered.

### Graduate

No graduate programs are offered.

## General Information

Undergraduate and graduate courses are offered.

## Contact

**Dean**

Thomas A. Peters, MS in LS, MA

**Associate Dean**

Rachel M. Besara, MS

**Office**

Duane G. Meyer Library, Room 302

**Phone**

417-836-4525

**Fax**

417-836-4764

# Library Science Faculty

## Professors

Dea A. Borneman, MA in LS

Cheryl Jones, MLS

Marilyn McCroskey, MA, MS in LS

Thomas A. Peters, MS in LS, MA

## Associate professors

David L. Adams, MA in LS

Rachel M. Besara, MS

James A. Coombs, MA in LS, CAS

Crystal D. Gale, MLIS

Grace M. Jackson-Brown, PhD

Joshua D. Lambert, MLS

Andrea L. Miller, MA in ISLT

Tracy L. Stout, MS

## Clinical associate professor

William B. Edgar, PhD

## Assistant professors

Jessica L. Bennett, MA

Tammy R. Stewart, MA in LS

Raegan N. Wiechert, MA in ISLT

## Emeritus faculty

Donald Andrew Beisswenger, PhD

Lynn S. Cline, MA, MS in LS

Edward De Long, MA, MLS

Charlotte Dugan, MA in LS, CAS

Betty S. Evans, MA in LS

C. Lynne Freeman, MS in LS

Willa J. Garrett, MA in LS

Walter H. Green, Jr., MM, MS in LS

Karen L. Horny, MA in LS

Neosha A. Mackey, MBA, MLS

Florence Maltby, MS in LS, CAS

Julian H. Pace, MLS

J. B. Petty, PhD

Vern Reeder, MS in LS

Byron Stewart, MA in LS

Missouri State

Office of the Registrar

# Undergraduate Catalog



# Library Science Courses

## Library Science (LIS) courses

**LIS 101 Introduction to Information Literacy**

Introduction to basic strategies and skills related to locating, evaluating, and using print and digital information resources. Information technologies, determining information needs, types of information sources, searching for and retrieving information, evaluating information for relevancy and quality, properly documenting use of information, and applying information ethically. Face to face or blended formats.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**LIS 305 Service Learning in Library Science**

*Prerequisite: concurrent registration in an LIS course designated as a service learning offering.*

This one-hour service component for an existing course incorporates community service with classroom instruction in library science education. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes 40 hours of service benefiting an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with LIS 618. Cannot receive credit for both LIS 305 and LIS 618.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 500 Libraries and Librarianship: An Introductory Seminar**

Types of libraries; their functions and objectives; internal organization and procedures; duties and qualifications of librarians; professional organizations and literature; various issues and technologies reflecting the changing nature of librarianship; and introduction to professional portfolio development. May be taught concurrently with LIS 600. Cannot receive credit for both LIS 500 and LIS 600.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 502 History of Books and Libraries**

History of books and libraries from the earliest times to the present; influence and importance of the book and the library in society throughout history. May be taught concurrently with LIS 602. Cannot receive credit for both LIS 602 and LIS 502.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 504 Reference**

*Prerequisite: LIS 500.*

An introduction to basic, general print and electronic reference sources. May be taught concurrently with LIS 604. Cannot receive credit for both LIS 604 and LIS 504.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 506 Collection Development and Acquisitions**

*Prerequisite: LIS 500.*

Principles of collection development including selection aids, review media and collection evaluation; methods of selection and acquisitions. May be taught concurrently with LIS 606. Cannot receive credit for both LIS 606 and LIS 506.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 508 Cataloging and Classification**

*Prerequisite: LIS 500.*

Basic cataloging and classification; subject headings; cataloging print and non-print material; MARC records; various types of traditional and electronic catalogs. May be taught concurrently with LIS 608. Cannot receive credit for both LIS 608 and LIS 508.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 510 Curriculum and the School Library**

*Prerequisite: LIS 500.*

Focuses on integrating the school library program and collections with curriculum; emphasizes diverse student learning styles; role of the school librarian as a teacher; use of electronic resources for research, teaching, and learning. May be taught concurrently with LIS 610. Cannot receive credit for both LIS 610 and LIS 510.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 512 Reading Guidance for Young Adults**

The study of reading interests and habits of high school age young adults. Methods of meeting the needs of different types of readers and stimulating reading interest through library collections and services. May be taught concurrently with LIS 612. Cannot receive credit for both LIS 612 and LIS 512.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 530 Children's Librarianship: Birth through Age 9**

Fundamentals of children's librarianship for both public librarians and school library media specialists, including collection development, programming, and current issues. May be taught concurrently with LIS 630. Cannot receive credit for both LIS 630 and LIS 530.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 532 Library Resources and Services for Grades 4-8**

An introduction to a broad selection of books, audiovisuals, and electronic resources for grades 4-8 and how these can be used to enrich the curriculum. Emphasis will be placed on integration of a variety of resources in both content area studies and "stand alone" information literacy instruction. May be taught concurrently with LIS 632. Cannot receive credit for both LIS 632 and LIS 532.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 534 Introduction to Storytelling**

Introduction to the art of storytelling and development of skills in finding, preparing, and delivering stories to grades K-12; analysis and review of storytellers' resources; exploration of a wide variety of styles and methods of telling to facilitate the planning and presentation of storytelling programs in the school media center or classroom and include traditional storytelling across the curriculum. May be taught concurrently with LIS 634. Cannot receive credit for both LIS 634 and LIS 534.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**LIS 540 Information Technologies**

*Prerequisite: LIS 500.*

An introduction to applied information technologies applicable to libraries, including uses of computers in libraries, computer hardware and software needs of libraries, and issues related to access and evaluation of information. May be taught concurrently with LIS 640. Cannot receive credit for both LIS 640 and LIS 540.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 596 Independent Study**

*Prerequisite: LIS 500 and two of the following: LIS 504, LIS 506, LIS 508.*

Individual projects or study under the supervision of members of the library faculty. May be repeated to a total of 6 hours. May be taught concurrently with LIS 696. Cannot receive credit for both LIS 696 and LIS 596.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LIS 597 Special Topics**

*Prerequisite: permission.*

Selected topics in substantive areas of librarianship such as automation, collection development and resource sharing, and the politics of librarianship. Offered when resources and demand allows. May be repeated to a total of 6 hours when topic changes. Variable content course. May be taught concurrently with LIS 697. Cannot receive credit for both LIS 697 and LIS 597.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LIS 598 Action Research in the School Library**

*Prerequisite: concurrent enrollment in LIS 599.*

Survey of action research techniques designed to assess the integration of the school library into building-level curricula and its impact on student achievement. Students will design, conduct, and evaluate an action research project in a school library. May be taught concurrently with LIS 698. Cannot receive credit for both LIS 598 and LIS 698.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 599 Library Practicum**

*Prerequisite: LIS 500 and LIS 504 and LIS 506 and LIS 508.*

Supervised practical work experience in an appropriate library designed to cover all aspects of librarianship. Portfolio checkpoint number 3. May be taught concurrently with LIS 699. Cannot receive credit for both LIS 699 and LIS 599.

**Credit hours:** 2-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LIS 600 Libraries and Librarianship: An Introductory Seminar**

Types of libraries; their functions and objectives; internal organization and procedures; duties and qualifications of librarians; professional organizations and literature; various issues and technologies reflecting the changing nature of librarianship; and introduction to professional portfolio development. May be taught concurrently with LIS 500. Cannot receive credit for both LIS 500 and LIS 600.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 602 History of Books and Libraries**

History of books and libraries from the earliest times to the present; influence and importance of the book and the library in society throughout history. May be taught concurrently with LIS 502. Cannot receive credit for both LIS 502 and LIS 602.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 604 Reference**

*Prerequisite: LIS 600.*

An introduction to basic, general print and electronic reference sources. May be taught concurrently with LIS 504. Cannot receive credit for both LIS 504 and LIS 604.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 606 Collection Development and Acquisitions**

*Prerequisite: LIS 600.*

Principles of collection development including selection aids, review media and collection evaluation; methods of selection and acquisitions. May be taught concurrently with LIS 506. Cannot receive credit for both LIS 506 and LIS 606.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 608 Cataloging and Classification**

*Prerequisite: LIS 600.*

Basic cataloging and classification; subject headings; cataloging print and non-print material; MARC records; various types of traditional and electronic catalogs. May be taught concurrently with LIS 508. Cannot receive credit for both LIS 508 and LIS 608.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 610 Curriculum and the School Library**

*Prerequisite: LIS 600.*

Focuses on integrating the school library program and collections with curriculum; emphasizes diverse student learning styles; role of the school librarian as a teacher; use of electronic resources for research, teaching, and learning. May be taught concurrently with LIS 510. Cannot receive credit for both LIS 510 and LIS 610.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 612 Reading Guidance for Young Adults**

The study of reading interests and habits of high school age young adults. Methods of meeting the needs of different types of readers and stimulating reading interest through library collections and services. May be taught concurrently with LIS 512. Cannot receive credit for both LIS 512 and LIS 612.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 618 Service Learning in Library Science**

*Prerequisite: concurrent registration in an LIS course designated as a service learning offering.*

This one-hour service component for an existing course incorporates community service with classroom instruction in library science education. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes 40 hours of service benefiting an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with LIS 305. Cannot receive credit for both LIS 618 and LIS 305.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 620 Production and Application of Multimedia Materials in Library Media Centers**

Recommended Prerequisite: LIS 600 and LIS 610. Builds on concepts introduced in LIS 610. Builds on concepts introduced in LIS 510. Emphasis will be placed on multimedia project planning, instructional design, production techniques and processes as they relate specifically to the library media center program and its integration into the whole school curriculum to support teaching and learning activities. Includes web design, video editing, evaluation and application of electronic resource for school libraries.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 628 School Library Administration**

*Prerequisite: LIS 600 and two of the following: LIS 604, 606, 608.*

Administration of K-12 libraries within school communities. Emphasizes program development, evaluation, planning cycle; budget process; services for diverse school constituencies. Examines effects of national, state and district guidelines, standards and policies on school library programs. Portfolio checkpoint number 2.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 630 Children's Librarianship: Birth thru Age 9**

Fundamentals of children's librarianship for both public librarians and school library media specialists, including collection development, programming, and current issues. May be taught concurrently with LIS 530. Cannot receive credit for both LIS 530 and LIS 630.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 632 Library Resources and Services for Grades 4-8**

An introduction to a broad selection of books, audiovisuals, and electronic resources for grades 4-8 and how these can be used to enrich the curriculum. Emphasis will be placed on integration of a variety of resources in both content area studies and "stand alone" information literacy instruction. May be taught concurrently with LIS 532. Cannot receive credit for both LIS 632 and LIS 632.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 634 Introduction to Storytelling**

Introduction to the art of storytelling and development of skills in finding, preparing, and delivering stories to grades K-12; analysis and review of storytellers' resources; exploration of a wide variety of styles and methods of telling to facilitate the planning and presentation of storytelling programs in the school media center or classroom and include traditional storytelling across the curriculum.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Summer
Projected offerings

**LIS 640 Information Technologies**

*Prerequisite: LIS 600.*

An introduction to applied information technologies applicable to libraries, including uses of computers in libraries, computer hardware and software needs of libraries, and issues related to access and evaluation of information. May be taught concurrently with LIS 540. Cannot receive credit for both LIS 540 and LIS 640.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 696 Independent Study**

Individual projects under the supervision of members of the library faculty. May be repeated to a total of 6 hours. May be taught concurrently with LIS 596. Cannot receive credit for both LIS 596 and LIS 696.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LIS 697 Special Topics**

Selected topics in substantive areas of librarianship such as automation, collection development and resource sharing, and the politics of librarianship. Offered when resources and demand allows. May be repeated to a total of 6 hours when topic changes. Variable content course. May be taught concurrently with LIS 597. Cannot receive credit for both LIS 597 and LIS 697.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**LIS 698 Action Research in the School Library**

*Prerequisite: concurrent enrollment in LIS 699.*

Survey of action research techniques designed to assess the integration of the school library into building/level curricula and its impact on student achievement. Students will design, conduct, and evaluate an action research project in a school library. May be taught concurrently with LIS 598. Cannot receive credit for both LIS 698 and LIS 598.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**LIS 699 Library Practicum**

*Prerequisite: permission of department head.*

Supervised practical work experience in an appropriate library designed to cover all aspects of librarianship. Portfolio checkpoint number 3. May be taught concurrently with LIS 599. Cannot receive credit for both LIS 599 and LIS 699.

**Credit hours:** 2-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Honors College

## Programs

### Undergraduate

The Program

## General information

The mission of the Missouri State University Honors College is to create an academic environment that is stimulating, challenging, and conducive to undergraduate learning and development. The Honors College fosters this environment by:

- Attracting exceptional students from Missouri, the U.S., and around the world who have a demonstrated record of intellectual curiosity and academic success;
- Matching students with outstanding faculty instructors in small course settings that foster collaboration, engagement, and discourse;
- Developing critical thinking skills through a rigorous program of multi and interdisciplinary instruction with an emphasis upon research and academic writing;
- Supporting the university's Public Affairs mission by complementing the classroom experience with academic and social programming that promotes leadership, service, and the life of the mind;
- Providing high levels of mentoring, advising, and

## Contact

**Director**

John F. Chuchiak, PhD

**Office**

University Hall, Room 212

**Phone**

417-836-6370

**Fax**

417-836-3141

**Email**

HonorsCollege@missouristate.edu

**Website**

www.missouristate.edu/honors

development through individualized attention throughout a student's program of study;

- Preparing students for career success, graduate study, and competition for graduate and international research fellowships and awards.

## Admission requirements

Full-time, degree-seeking undergraduate students are eligible for admission to the Honors College per the following policies:

A. Membership is offered by invitation to all first-time in college students who have an ACT composite score of 27 or higher (or an SAT composite score of 1220 or higher) and who have graduated in the top 10 percent of their high school class or have a high school grade point average (GPA) of 3.90 or higher. Students admitted to the Honors College will be assigned to either the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry:

    1. Students who enter the Honors College with fewer than 30 completed credit hours will be admitted to the General Honors Program

    2. Students who enter the Honors College with 30 or more completed credit hours will be admitted to the Accelerated Honors Program

B. Students who do not satisfy the automatic eligibility requirements may apply for admission to the Honors College after completing at least one semester at the University. Applicants must submit a completed application form, a statement of purpose, a writing sample, and a recommendation letter from an MSU faculty member. Applications for admission will be reviewed in January and July and qualified candidates will be offered admission on a space available basis. Students are encouraged to apply prior to their fourth semester at the University. Students admitted to the Honors College will be assigned to either

the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry.

C. Transfer students may apply for admission to the Honors College following admission to the University. Applicants must submit a completed application form, a statement of purpose, a writing sample, and a recommendation letter from a faculty instructor. Applications for admission will be reviewed in January and July and qualified candidates will be offered admission on a space available basis. Students who have completed course work in honors programs/colleges may be able to apply previous honors course work towards Honors College requirements. Transfer students admitted to the Honors College will be assigned to the Accelerated Honors Program, unless they have completed fewer than 30 credit hours, in which case they will be assigned to the General Honors Program.

D. International students who did not receive a diploma from a United States high school may be admitted to the Honors College if they satisfy the following criteria:

    1. TOEFL IBT score of 100 or higher or IELTS score of 7.0 or higher; and

    2. Completion of at least one of the following options:

        a. ACT composite score of 27 or higher or SAT combined score of 1220 or higher;

        b. Successful completion of the International Baccalaureate Diploma;

        c. British A-Levels course work: C average or higher (two course minimum);

        d. British AS-Levels course work: C average or higher (four course minimum);

        e. French Baccalaureate: overall average of 10 or higher;

f. Score of 100 or higher on the English portion of China's National College Entrance Exam;

g. Completion of 12 or more hours at an American college/university with a 3.00 or higher GPA.

Students who are exempt from completing the TOEFL or IELTS exams and/or who did not have the opportunity to enroll in the academic programs outlined in point two may contact the Director of the Honors College and request a formal review of their academic qualifications.

International students who completed a diploma at a United States high school will be admitted under the guidelines outlined in Admissions Section A (see above).

## The program

Students admitted to the Honors College will be assigned to either the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry.

Missouri State

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# Honors College Courses

## Honors College (UHC) courses

**UHC 110 Freshman Honors Seminar**

*General Education Course (First-year Seminar).*

This seminar will be on a topic of intellectual significance. The student will be required to use the library, research, and faculty resources available in the University. Satisfies the First-Year Foundations requirement in the Basic Required Courses of General Education. Open to Honors College members only. Variable content course.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall
Projected offerings

**UHC 300 Honors Service Learning**

*Prerequisite: 30 hours and concurrent registration in a course designated as a service learning offering; open to Honors College members only.*

This service component for an existing course incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; students should investigate possible placements through the Center for Citizenship and Service Learning prior to registration. Graded Pass/Not Pass only. May be repeated.

**Credit hours:** 1
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer
Projected offerings

**UHC 350 Honors Study Abroad**

*Prerequisite: permission; open to Honors College members only.*

A variable content course with topics involving the interdisciplinary study of other cultures while living and studying in an international venue. Through history, language, literature, sociology and other disciplines the student will acquire a deeper understanding of another culture and of the American culture. When appropriate, this course may be cross-listed with other study abroad and international travel courses. May be repeated once with content change. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**UHC 396 Honors Independent Study**

*Prerequisite: permission; open to Honors College members only.*

Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the semester in which the independent study is to be done. Only one approved independent study program may be taken in any semester. When appropriate, this course may be cross-listed with independent study courses in other academic departments. May be repeated.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**UHC 397 Honors Colloquia**

*Prerequisite: 50 hours or permission; open to Honors College members only.*

This course will explore in depth an interdisciplinary topic of intellectual significance related to the University's Public Affairs Mission. Emphasis is placed upon discussion and individual research projects. When appropriate, this course may be cross-listed with special topics courses in other academic departments. May be repeated once with content change. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**UHC 398 Honors Undergraduate Research**

*Prerequisite: permission; open to Honors College members only.*

Allows students to gain research experience by working with an individual faculty member either as a research assistant or as a primary researcher working under faculty supervision. Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the semester in which the research is to be done. Only one approved undergraduate research project may be taken in any semester. When appropriate, this course may be cross-listed with undergraduate research courses in other academic departments. May be repeated.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**UHC 399 Honors Internship/Apprenticeship**

*Prerequisite: permission of supervising instructor, the Honors College and the host institution; open to Honors College members only.*

This course provides students with the opportunity to obtain practical and theoretical knowledge in a variety of career fields through the completion of a supervised internship experience. Students are expected to complete 45 hours of work with an approved organization and to complete corresponding academic reflection projects under the supervision of a departmental faculty member. Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the semester in which the internship is to be done. Only one approved internship may be taken in any semester. When appropriate, this course may be cross-listed with undergraduate internship courses in other academic departments. May be repeated.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**UHC 410 Senior Honors Seminar**

This seminar will explore in depth a topic of intellectual significance that lends itself to exploration from a number of different disciplines. Variable content course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**UHC 499 Honors Distinction Project**

*Prerequisite: permission; open to Honors College members only.*

The Honors Distinction Project is a creative capstone project prepared in accordance with the requirements for the Honors Distinction the Major program. Student will complete a significant intellectual project in the major under the supervision of a departmental faculty member. Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the semester in which the Distinction Project is to be done. When appropriate, this course may be cross-listed with senior research project courses in other academic departments. May be repeated for a maximum of 8 hours.

**Credit hours:** 3-4
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

# The Program

Students admitted to the Honors College will be assigned to either the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry.

## General Honors Program

The General Honors Program is designed for students who enter the Honors College with fewer than 30 completed credit hours. The program includes courses designed to facilitate completion of both general education and major requirements.

A. General Honors Core Curriculum (minimum 18 hours)

1. UHC 110 *Freshman Honors Seminar* (2 hours);
2. Three General Honors courses to be selected from a menu of Honors College offerings (9-15 hours);
3. One Honors Experiential Learning Experience (1-3 hours)
    a. UHC 300 *Honors Service Learning*
    b. UHC 350 *Honors Study Abroad*
    c. UHC 396 *Honors Independent Study*
    d. UHC 398 *Honors Undergraduate Research*
    e. UHC 399 *Honors Internship/Apprenticeship*
4. UHC 397 *Honors Colloquia* (3 hours)
5. UHC 410 *Senior Honors Seminar* (3 hours)

Students who complete all General Honors Core Curriculum requirements and earn a final institutional GPA of 3.25 or higher are eligible to graduate from the Honors College after they satisfy all other University degree requirements. Final transcripts and diplomas will include the notation "Bachelor of _____ (with possible grade point honors such as *cum laude, magna cum laude, summa cum laude*) in the Honors College."

B. Distinction in the Major Option (minimum 12 hours)

Students who complete the Core Curriculum have the opportunity to continue their honors studies and to earn Distinction in the Major by self-designing a rigorous program of course work culminating in a final distinction project. Students must complete a minimum of 12 hours of honors course work in their major, including a minimum of 3 hours of UHC 499 *Honors Distinction Project*. Students may propose appropriate combinations of the following courses:

1. UHC 396 *Honors Independent Study* (1-3 hours);
2. UHC 398 *Honors Undergraduate Research* (1-3 hours);
3. UHC 410 *Senior Honors Seminar* (3 hours);
4. UHC 499 *Honors Distinction Project* (3-4 hours)

*Students who have completed the General Honors Core Curriculum may double-count one section of UHC 396, UHC 398, or UHC 410 towards the Distinction in the Major requirements.

Students interested in earning Distinction in the Major must complete a course and project proposal under the guidance of a faculty member in their major department. The proposal must be approved by the Department Head for the major and by the Director of the Honors College before a student may register for honors course sections. Distinction proposals must be approved prior to the beginning of a student's senior year.

The Honors Distinction Project must be submitted to the Honors College on the final day of classes prior to a student's graduation.

Students who complete all General Honors Core Curriculum requirements, all Distinction in the Major requirements, and earn a final institutional GPA of 3.25 or higher are eligible to graduate from the Honors College after they satisfy all other University degree requirements. Final transcripts and diplomas will include the notation "Bachelor of _____ (with possible grade point honors such as *cum laude, magna cum laude, summa cum laude*) in the Honors College with Distinction in _____."

## Accelerated Honors Program

The Accelerated Honors Program (minimum 19 credit hours) is designed for students who enter the Honors College with 30 or more completed credit hours. The program includes a primary emphasis upon the completion of major requirements and the production of a final distinction project in six or fewer semesters. Students must complete the following requirements:

A. Completion of one of the following Honors elements

   1. All first-time in college students, regardless of class standing, must complete UHC 110 *Freshman Honors Seminar* (2 hours). This course satisfies the University's First-Year Foundations General Education requirement and must be completed during the first semester of study;

   2. Transfer students and MSU students admitted to the Honors College after completing GEP 101 *First-Year Foundations* must complete one General Honors course or one Honors Experiential Learning course of their choice (see General Honors Program Section A above).

B. UHC 397 *Honors Colloquia* (3 hours);

C. UHC 410 *Senior Honors Seminar* (3 hours);

D. Students must complete a minimum of 12 hours of honors course work in their major, including a minimum of 3 hours of UHC 499 *Honors Distinction Project*. Students may propose appropriate combinations of the following courses:

   1. UHC 396 *Honors Independent Study* (1-3 hours);

   2. UHC 398 *Honors Undergraduate Research* (1-3 hours);

   3. UHC 499 *Honors Distinction Project* (3-4 hours)

      Students must complete a course and distinction project proposal under the guidance of a faculty member in their major department. The proposal must be approved by the Department Head for the major and by the Director of the Honors College before a student may register for honors course sections. Distinction proposals must be approved prior to the beginning of a student's senior year.

      The Honors Distinction Project must be submitted to the Honors College on the final day of classes prior to a student's graduation.

Students who complete all Accelerated Honors Program requirements and earn a final institutional GPA of 3.25 or higher are eligible to graduate from the Honors College after they satisfy all other University degree requirements. Final transcripts and diplomas will include the notation "Bachelor of _____ (with possible grade point honors such as *cum laude, magna cum laude, summa cum laude*) in the Honors College with Distinction in _____."

## Additional Requirements and Regulations

A. In order to remain in good standing in the program, a student must maintain a 3.25 cumulative institutional GPA or higher and enroll in 12 or more credit hours per semester. Members should normally carry no more than two honors classes in any one semester and must take at least one honors class each semester until they have completed the General Honors Core Curriculum. Students who complete the General Honors Core Curriculum maintain good standing in the program by maintaining a 3.25 cumulative institutional GPA.

B. The Director of the Honors College will review the academic progress of all students at the end of each semester. Students who do not achieve the required 3.25 cumulative institutional GPA will be given one semester to achieve that level, provided it is mathematically possible. Students who cannot achieve a 3.25 cumulative institutional GPA or who fail to reach a 3.25 for two consecutive semesters will be ineligible to continue in the program. Students who are removed from the program may apply for readmission after one semester if their academic performance satisfies program requirements. Students who are removed from the program a second time are not eligible for readmission.

C. Advanced Placement, CLEP, Dual Credit, and International Baccalaureate credits are available in some departments of the University. These credits and courses will not carry honors designations or satisfy Honors College program requirements.

D. Honors courses may not be taken on a Pass/Not Pass or Audit basis.

E. In certain departments it may not be practical to offer a separate honors section or honors course due to low student demand. In such cases an Honors Component of one credit hour can be added to a regular course or section to recognize honors work. Students should consult with a professor of the department who specializes in the subject and with the professor's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the term in which the component is to be done. Only one approved Honors Component may be taken in any semester.

F. Students who are not members of the Honors College may be allowed to enroll in honors courses on a space available basis provided they have both a 3.50 cumulative GPA and permission of the Director of the Honors College.

# Interdisciplinary Studies

## Programs

Includes accelerated master's option

### Undergraduate

Bachelor of General Studies (BGS)

Individualized Major (BA, BS)

## General Information

The Bachelor of General Studies degree is an interdisciplinary degree program designed for students with broad interest and capabilities rather than a focused area of specialization.

The individualized major is intended for students with a clear sense of direction, motivation and strong concept of an educational program that will best serve the individual's needs. This major shall be described individually, specifying the area(s) of emphasis.

## Contact

**Administrator**

Rachelle Darabi, PhD, Associate Provost for Student Development and Public Affairs

**Office**

University Hall, Room 115

**Phone**

417-836-8346

**Fax**

417-836-6372

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# Interdisciplinary Studies Courses

## Interdisciplinary Studies (IDS) courses

**IDS 101 Interdisciplinary Seminar**

Variable content, variable credit course that is offered only in the summer term and only to the participants of Missouri State University summer academies.

**Credit hours:** 1-3
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Summer
Projected offerings

**IDS 118 Enhancing Learning Techniques for College and Life**

Designed for any student who wishes to develop stronger study and learning techniques such as note taking, test taking and preparation, time management, text study, memory and concentration. Cannot be used to satisfy any General Education Program requirement or any major or minor requirement. Cannot receive credit for both IDS 118 and RDG 107.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**IDS 120 Exploring Majors and Careers**

Designed to assist students in learning the process for making meaningful academic and career choices that are aligned with their unique strengths, interests, values, and personality. Students will participate in self-assessments, major and career exploration, and decision-making activities.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**IDS 250 Special Topics: International Travel Course**

A variable content course with topics involving a foreign travel component. Course offerings represent selected and interdisciplinary subjects. Some courses under this designation may be interdepartmental and team-taught. May be repeated as the topics change.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

**IDS 275 Resident Assistant Seminar**

Designed to facilitate new Resident Assistants in developing the skills necessary to work with students living in the residence halls.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**IDS 280 Student/Life Leadership**

The course will focus upon the study and practical application of student and student organization leadership skills and the knowledge of campus and community resources. Students will become actively involved in leadership as they participate in individual and group learning experiences.

**Credit hours:** 1
**Lecture contact hours:** 0
**Lab contact hours:** 2

**Typically offered:** Spring
Projected offerings

**IDS 297 International Culture and Study Abroad**

*General Education Course (Focus on Cultural Competence).*

An interdisciplinary study of other cultures while living and studying in an international venue. Through history, language, literature, sociology and other disciplines the student will acquire a deeper understanding of another culture and of the American culture.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**IDS 310 Peer Leadership**

Designed for the study and practical application of leadership skills that will benefit Peer Leaders working with GEP 101 instructors and students. Open to Peer Leaders only. May be repeated to a total of 3 hours.

**Credit hours:** 1
**Lecture contact hours:** 1
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

**IDS 320 Job Search Preparation and Career/Life Planning**

Assists students who have selected an academic major and who are beginning internship, part-time, or full-time job searches, or who are making decisions on graduate and professional school. The course is designed to help students in developing a career plan and investigating the work world in terms of the students' career/life goals. Students will learn the dynamics of decision-making, the importance of gaining experience in their field of interest, and job search skills. They will engage in career research, resume writing, interviewing, networking and other career development practices. Quantity of course content supports need for 2 hour/week format.

**Credit hours:** 2
**Lecture contact hours:** 2
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**IDS 350 British Life and Culture**

Through a historical and topical format students will study the interdisciplinary aspects of Great Britain. Lectures will be enhanced through British lecturers and field trips illustrative of the lectures. Missouri-London Program only.

**Credit hours:** 3
**Lecture contact hours:** 2
**Lab contact hours:** 2

**Typically offered:** Fall, Spring
Projected offerings

**IDS 397 International Culture and Study Abroad**

An interdisciplinary study of other cultures while living and studying in an international venue. Through history, language, literature, sociology and other disciplines the student will acquire a deeper understanding of another culture and of the American culture. May be repeated once with content change. Variable Content Course.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer
Projected offerings

**IDS 499 Senior Integrating Experience**

*Prerequisite: permission of Associate Provost for Student Development and Public Affairs.*

This course provides a structure for assessing individualized majors. Students will be advised of the need to include a senior integrating experience in their individualized major program. The student's Faculty Advisory Committee must approve the proposed experience during the individualized major hearing. One or more of the committee members will oversee the experience, and will provide verification of its satisfactory completion to the Associate Provost for Student Development and Public Affairs . The student will then receive a passing grade for the course. Graded Pass/Not Pass only.

**Credit hours:** 0
**Lecture contact hours:** 0
**Lab contact hours:** 0

**Typically offered:** Upon demand
Projected offerings

# Bachelor of General Studies

## Major(s)

## Bachelor of General Studies

The Bachelor of General Studies degree (BGS) is an interdisciplinary degree that requires completion of coursework in two or three departments in place of one major or a major with a minor.  No mention of the department areas is included on the transcript or diploma, but a degree plan and graduation check will verify that all the specific requirements have been met.

### Procedure for Seeking Candidacy

The BGS degree is by definition appropriate for those who through several years of interdisciplinary and focused study have learned that their interests are not well served within a single academic major. For this reason, the degree is not an available option for freshmen or sophomore students. Admission to the BGS program requires at least 75 hours of college credit including transfer and dual credit hours.

Both former and current students who wish to pursue this degree must identify a faculty or professional staff advocate who is willing to endorse their entrance into the degree program. In most instances, this advocate should come from one of the departments that will be a part of the degree plan. This advocate may also serve as an advising resource for the student. Additional advising resources will be available through the Associate Provost for Student Development and Public Affairs.

All applicants for the BGS degree program must submit a written essay to the Associate Provost for Student Development and Public Affairs which summarizes the students' educational background and explains how the degree program would be personally beneficial in ways that a traditional BA or BS degree program would not. A subcommittee of the Council on General Education and Intercollegiate Programs serves as the BGS Admissions Committee to review and act on the application materials.

### Program Requirements

The candidate for this degree must meet the following requirements:

A. General Education requirements (45-49 hours) - see General Education Program and Requirements section of catalog

B. Significant coursework from two or three specific departments (minimum 45 hours)

    1. If three departments, a minimum of 15 hours from each.
    2. If two departments, a minimum of 21 hours each plus 3 additional hours in one of the departments to reach the 45 hour minimum.
    3. At least 18 of these hours must be upper division.
    4. At least 9 of these hours must be 400 level or above.
    5. The Public Affairs Capstone requirement of one of the specific departments
    6. A grade of C or better in all courses used in the BGS areas of emphasis

C. Additional hours to bring the upper division total to at least 40

D. Additional electives to bring the total hours to at least 125

E. All General Baccalaureate Degree requirements except those applying to majors and options and multiple degrees and/or multiple majors - see General Baccalaureate Degree requirements section of catalog

# Individualized Major

### Procedures for seeking candidacy

1. Complete GEP 101 (or UHC 110 for Honors College students) in the first semester. Students are strongly encouraged to complete COM 115, ENG 110, and a Quantitative Literacy course within their first 30 hours.

2. Apply through the Academic Advisement Center, University Hall, room 109, for admission to an individualized major.
    a. The student shall submit a written statement of intention, aims and background, and transcripts of prior work (minimum 2.00 grade point average required). In some cases, a personal interview or supporting information (such as faculty recommendations) may be required.

    b. A student accepted to pursue an individualized major is assigned, by the Academic Advisement Center, three faculty advisors from departments in which the student will work. No two faculty members shall represent the same department. These faculty members shall comprise the student's advisory committee. The student shall designate one member as the major advisor.

    c. It shall be the responsibility of this advisory committee to approve the student's degree program. It is also the responsibility of this committee to evaluate the student's transcript and determine the number of credit hours previously earned which will be applied toward the hours required for this major. The approved program, including a recommended title, shall be submitted to the Academic Advisement Center for final approval

3. A minimum of 25 credit hours must be completed after the advisory committee has approved the degree program.

4. All agreements shall be filed as a part of the student's degree program. Any alteration of the degree program must be approved by the advisory committee.

## Individualized Major (Comprehensive)

Bachelor of Arts
**Program Requirements**

A. General Education Requirements - see General Education Program and Requirements section of catalog

B. Major of not less than 45 hours with not less than 15 hours of upper division credit. The approved program must include a Public Affairs Capstone Experience (minimum of 3 hours) that will be approved by the faculty advisory committee.

C. Senior Project: IDS 499(0)

D. Specific Requirements for Bachelor of Arts degree - see Specific Bachelor of Arts Degree Requirements section of catalog

E. General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

## Individualized Major (Comprehensive)

Bachelor of Science

**Program Requirements**

A. General Education Requirements - see General Education Program and Requirements section of catalog

B. Major of not less than 45 hours with not less than 15 hours of upper division credit. The approved program must include a Public Affairs Capstone Experience (minimum of 3 hours) that will be approved by the faculty advisory committee.

C. Senior Project: IDS 499(0)

D. General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

# Global Studies Program

## Programs

Includes accelerated master's option

### Undergraduate

Global Studies (BA)

## General information

Global Studies can broadly be defined as the study of global issues (i.e., population growth, poverty, diseases, environmental degradation, conflicts) and trends such as globalization and interdependence in their economic, political cultural and social dimensions, area studies, and the acquisition of foreign languages skills. As such, students pursuing a major in Global Studies and, for example, a minor in Area Studies, will become familiar with these issues, trends, and areas, and strive to acquire a high level of proficiency in a foreign language. More broadly, it means understanding the increasingly global nature of every aspect of life and how this affects the local environment in the United States as well as in other countries.

## Contact

**Administrator**

College of Arts and Letters

**Website**

globalstudies.missouristate.edu

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# Global Studies Courses

## Global Studies (GBL) courses

**GBL 250 Introduction to Global Studies and Globalization**

Provides students with the basic elements of global studies in order to make them educated persons who have a global awareness; and familiarizes them with the various trends or dimensions of globalization by focusing on geographic, cultural, political, and economic aspects of globalization.

**Credit hours:** 3
**Lecture contact hours:** 3
**Lab contact hours:** 0

**Typically offered:** Fall, Spring
Projected offerings

**GBL 499 Internship**

*Prerequisite: permission of Global Studies Coordinator.*

A focused course that students can combine with other classes in order to pursue a special interest within their major. May be repeated to a maximum of 6 hours. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

**Credit hours:** 1-6
**Lecture contact hours:**
**Lab contact hours:**

**Typically offered:** Upon demand
Projected offerings

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# Global Studies

## Major(s)

## Global Studies (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements

B. Major Requirements (48-54 hours)

1. GBL 250(3)
2. Complete four of the following courses: ANT 100(3); ECO 155(3); GRY 100(3); PLS 232(3), REL 210(3); SOC 150(3)
3. Complete 15 hours in one of the following focus areas, with courses with at least four different course prefixes:
   a. Language and Culture: ANT 226(3), 280(3), 320(3), 380(3), 382(3), 490(3)*, 510(3); COM 360(3), 512(3); ENG 283(3); GRY 320(3), 470(2); GST 400(3); IDS 397(3)*; MCL 200(3), MCL 550(3)*; MUS 239(3); PHI 115(3), 342(3); REL 370(3)
   b. Business and Economics: AGB 514(3); AGR 100(3); ECO 346(3), 456(3), 565(3); FIN 582(3); GRY 308(3), 321(3), 470(2); GST 400(3); HST 340(3); IDS 397(3)*; MCL 550(3)*; MGT 447(3); MKT 474(3); PHI 342(3); REL 370(3)
   c. Politics, Society and Environmental Issues: CRM 420(3); ECO 540(3); GRY 108(3), 316(3), 322(3), 323(3), 351(3), 470(2), 535(3); GST 400(3); IDS 397(3)*; MCL 550(3)*; PHI 302(3), 342(3); PLS 205(3), 232(3), 333(3), 437(3), 535(3), 546(3), 555(3), 561(3), 565(3); REL 370(3); SOC 305(3), 336(3)

   **When applicable*

4. Complete 15 hours in Regional Studies with at least one course in each of the following five regions. The following courses may apply to various regions depending upon course content: ANT 330, ECO 397, ENG 362, GRY 305 or PLS 338.

   a. Africa: ANT 332(3); ART 273(3)*, 386(3), 488(3)**; ENG 363(3); GRY 507(3); HST 323(3), 335(3); PLS 550(3)
   b. Asia: ANT 334(3); ART 274(3), 374(3); ECO 345(3); HST 381(3), 571(3); LLT 215(3); MUS 372(1)***; PHI 314(3); PLS 545(3); REL 355(3), 357(3), 360(3)
   c. Europe: ART 272(3); ENG 361(3); HST 350(3), 353(3), 355(3), 361(3), 559(3); LLT

225(3); PLS 343(3), 547(3); REL 340(3)

d. Latin America and Caribbean: ANT 331(3); ART 273(3)*, 385(3), 485(3); HST 350(3), 587(3), 588(3); PLS 548(3)
e. Middle East: ANT 335(3); ART 382(3); HST 370(3), 371(3), 543(3); PLS 544(3); REL 330(3), 350(3)

*ART 273 may satisfy only one requirement in the major, either Africa or Latin America/Caribbean region.
**ART 488 may satisfy this requirement if focus is on Africa.
***MUS 372 may satisfy this requirement if ensemble is in Chinese Music.
.

5. Complete six hours beyond the 12-hour Bachelor of Arts foreign language requirement, for a total of 18 hours in one modern foreign language: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Portuguese, Russian, or Spanish. Other modern languages may be accepted upon the recommendation of the Head of the Modern and Classical Language department. The language requirement and language courses may partially or fully be fulfilled with courses taken as part of study-away programs or at another American university or college. Students also have the opportunity to acquire proficiency certificates reflecting their level of foreign language competency and, according to their level, will be able to test out of part or all foreign language requirements.
6. Public Affairs Capstone Experience requirement: Complete GBL 499-Internship or an approved Study Away for 3 hours.

C. Minor Required (or second major). Note: No more than nine hours may count toward both the major and a minor.
D. Double Majors: Students wishing to pursue the Global Studies major and another major (no minor required) may only count up to nine hours in both majors.
E. Specific Bachelor of Arts Degree Requirements
F. General Baccalaureate Degree Requirements

## Accelerated graduate program in Global Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Global Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and

procedures for obtaining permission for Mixed Credit.