

Office of the Registrar

Undergraduate Catalog

2013-14 first edition, July 2013

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Search the entire catalog:

The catalog is your informational guide to courses, programs, academic policies, degree requirements, faculty teaching credentials, and general information about Missouri State.

The University publishes a separate [Graduate Catalog](#) which includes graduate admission requirements, academic policies, degree requirements, accelerated master's programs, and graduate faculty.

Which catalog should I follow?

Students should review the [Catalog of Graduation policy](#) to determine which year's catalog must be followed in order to satisfy their degree requirements. PDF versions of prior year's catalogs are available in the [Catalog Archive](#).

New in this edition

- New certificate in [Press Politics](#)
- New minor in [Museum Studies](#)
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- New major in [Health Services](#)
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Undergraduate catalog maintained by: [Office of the Registrar](#)

Publishing schedule

First edition

July 2013

(effective fall 2013–summer 2014)

Second edition

November 2013

(effective spring 2014–summer 2014)

Preliminary edition

April 2014

(effective fall 2014–summer 2015)

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Accreditations, Memberships, and Approvals

Institutional accreditation

The Springfield and West Plains campuses of Missouri State University are separately accredited by the Higher Learning Commission of the North Central Association of Colleges and Secondary Schools - a nationally recognized regional accrediting organization. Institutional accreditation has been continuously maintained since 1915 with the most recent approval occurring in 2005-2006 and resulting in full accreditation for the maximum allowable ten-year period. Accreditation of an institution by the Higher Learning Commission indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by the Higher Learning Association is not partial; it applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to the students who attend the institution.

The Statement of Affiliation Status and the Organizational Profile for Missouri State University can be found at www.ncahigherlearningcommission.org.

Contact information

The Higher Learning Commission
230 South LaSalle Street, Suite 7-500
Chicago, Illinois 60604-1413
Phone: (800) 621-7400 or (312) 263-0456. Fax: (312) 263-7462. Email: info@hlcommission.org

Specialized academic program accreditations

- AACSB International – The Association to Advance Collegiate Schools of Business
- Accreditation Commission for Programs in Hospitality Administration
- Accreditation Council for Education in Nutrition and Dietetics
- Accreditation Review Commission on Education for the Physician Assistant, Inc.
- American Council for Construction Education
- American Speech-Language-Hearing Association
- Commission on Accreditation for Dietetics Education
- Commission on Accreditation of Athletic Training Education
- Commission on Accreditation in Physical Therapy Education
- Commission on Collegiate Nursing Education
- Computing Accreditation Commission of ABET
- Council on Accreditation of Nurse Anesthesia Educational Programs
- Council on Education of the Deaf
- Council on Social Work Education
- Missouri Department of Elementary and Secondary Education
- National Association for Sport and Physical Education
- National Association for the Education of Young Children
- National Association of Schools of Music
- National Association of Schools of Public Affairs and Administration
- National Association of Schools of Theatre
- National Council for Accreditation of Teacher Education
- National Council for Social Studies
- National Recreation and Park Association
- Planning Accreditation Board

Memberships

- American Association of Colleges for Teacher Education
- American Association of State Colleges and Universities
- Council of Graduate Schools
- Midwestern Association of Graduate Schools

Approvals

The University was formed by legislative action in 1905 and given statutory authority to grant degrees. In addition, the University is

approved by the following state and federal entities:

- U.S. Department of Education
- U.S. Department of Veterans Affairs
- U.S. Department of Homeland Security/U.S. Immigration and Customs Enforcement
- Missouri Department of Higher Education
- Missouri State Board of Nursing (Bachelor of Science in Nursing Generic 4-Year Program)

Centers for Research and Service

Missouri State University has established focused research and service centers that provide part of the organizational structure for meeting the University mission.

“Center” is a descriptor for formally recognized units, including institutes, bureaus and stations that function as an adjunct to the traditional University units (i.e., colleges and/ or academic departments). The support base for Centers is primarily from external sources, including grants, contracts, and fees (for services, workshops, conferences, etc.). These centers are active in multi-disciplinary research, education, training and service projects that serve both the University and external entities. Each year a number of students are involved in the research and service projects that are conducted through Centers. Visit the [University's Research website](#) for more information.

2013-14 Academic Calendar

Fall 2013

- **August 5 (Monday)** Fall Intersession classes begin
- **August 16 (Friday)** Fall Intersession classes end
- **August 19 (Monday)** Classes begin
- **September 2 (Monday)** Labor Day Holiday (no classes)
- **October 8 (Tuesday)** First Block classes end
- **October 9 (Wednesday)** First Block final exams will be held during the last scheduled class meeting.
- **October 10-11 (Thursday-Friday)** Fall Holiday (no classes)
- **October 14 (Monday)** Second Block classes begin
- **October 19 (Saturday)** Homecoming
- **November 26 (Tuesday)** Thursday evening classes (4:00 pm or later) meet; Tuesday evening classes do not meet
- **November 27-29 (Wednesday-Friday)** Thanksgiving Vacation (no classes)
- **December 5 (Thursday)** Last day of classes
- **December 6 (Friday)** Study Day (no classes)
- **December 7-12 (Saturday-Thursday)** Final exams period for full semester and Second Block classes
- **December 13 (Friday)** Commencement

Spring 2014

- **January 6 (Monday)** Winter Intersession classes begin
- **January 10 (Friday)** Winter Intersession classes end
- **January 13 (Monday)** Classes begin
- **January 20 (Monday)** Martin Luther King Jr. Holiday (no classes)
- **February 17 (Monday)** Presidents' Day Holiday (no classes)
- **February 19 (Wednesday)** Monday evening classes (4:00 pm or later) meet; Wednesday evening classes do not meet

Spring 2014 (continued)

- **March 6 (Friday)** First Block classes end
- **March 7 (Friday)** First Block final exams
- **March 10-16 (Monday-Sunday)** Spring Break (no classes)
- **March 17 (Monday)** Second Block classes begin
- **April 17-20 (Thursday-Sunday)** Spring Holiday (no classes)
- **May 8 (Thursday)** Last day of classes
- **May 9 (Friday)** Study Day (no classes)
- **May 10-15 (Saturday-Thursday)** Final exams period for full semester and Second Block classes
- **May 16 (Friday)** Commencement

Summer 2014

- **May 19 (Monday)** Summer Intersession classes begin
- **May 26 (Monday)** Memorial Day Holiday (no classes)
- **June 6 (Friday)** Summer Intersession classes end
- **June 9 (Monday)** Classes begin for Session 1, 2 and 3
- **July 3 (Wednesday)** Last day of Session 3. Session 3 final exams will be held during the last scheduled class meeting.
- **July 4 (Friday)** Independence Day Holiday (no classes)
- **July 7 (Monday)** Session 4 begins
- **July 10 (Thursday)** Last day of Session 2. Session 2 final exams will be held during the last scheduled class meeting.
- **July 30 (Wednesday)** Last day of Sessions 1 and 4
- **July 31-August 1 (Thursday-Friday)** Final exams for Sessions 1 and 4
- **August 1 (Friday)** Commencement. Finals overlap with Summer Commencement-faculty will work with students who have finals to allow participation in the event.

Course Numbering System and Guide to Course Descriptions

Course numbering system

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

Guide to course descriptions

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

- Course grading policy (e.g., May not be taken Pass/Not Pass.)
- Repeat limitations (e.g., Variable content course, may be repeated to a total of 6 hours.)
- Supplemental course fee (assessed in addition to tuition)
- Limitations on course applicability to degree requirements (e.g., May not count toward a major or minor.)
- Identical course is offered in another department.
- Course has a graduate-level parallel course.

Prerequisite

- A prerequisite may consist of a single course, multiple courses, or choice of courses; class standing or other criteria such as placement test scores, admission to a specific program of study, or departmental permission.
- Some courses may require concurrent enrollment in another course during the same semester (referred to in the online class schedule as a "corequisite").
- Prerequisites and corequisites change over time and are not dependant on the student's catalog of graduation. The registration system will enforce prerequisites that are in effect for the semester of registration.
- The student is responsible for having the appropriate prerequisites prior to enrollment in a course. 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 prerequisite should be directed to the academic department offering the course.

Credit hours

Credit hours represent a unit of academic credit measured in semester hours. Some courses may be offered with a range of credit hours (i.e., 1-3). Read more about [credit and contact hours](#).

Lecture and lab contact hours

- *Lecture Contact Hours* represents the number of hours per week the class will meet in a lecture environment (based on a 15-week semester). For courses which are lecture only, the lecture hours will equal credit hours.
- *Lab Contact hours* represents the number of hours per week the class will meet in a laboratory environment (based on a 15-week semester). At least two laboratory contact hours are required for one credit hour. For example, a four credit hour course with three contact hours of lecture will have two contact hours of laboratory.
- Some courses include clinical contact hours which represent the number of hours per week the course will meet in clinical experiences outside the classroom and may not be listed in the lab hours area and/or in the course description. Some typical clinical courses be in Nursing or Physical Therapy. Normally clinical hours will require 3 or more hours per hour of credit.
- Courses with no contact hours indicate class time is spent outside the normal classroom environment (i.e. internships, service learning, supervised teaching, thesis, etc.)

Periodicity

Periodicity indicates the anticipated semester offering. This information is provided to help students plan their class schedules. The anticipated semester offering is not the same of the schedule of classes, and the semesters listed are indicative of when the

courses *may* be offered. Refer to the [Projected Course Offerings website](#) for more detailed information on course availability.

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, mini problems, seminars, projects, independent study, or readings. Variable content courses include any courses that may be substantially different from one semester to another. Not 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.

Office of the Registrar

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Detailed Costs and Fees for 2013-14

Fall 2013, Spring 2014, and Summer 2014 Required Student Fees

Required student fees are a combination of tuition and student services fees. See below for other enrollment fees. Following is a summary of the fees approved by the Board of Governors March 7, 2013 to be effective July 1, 2013. For more comprehensive information, refer to pages 1-5 of the [2013-14 Fee Schedule](#). All fees are subject to revision by the Board of Governors without notice.

- Courses [Audited](#) count in the same way as courses taken for credit in determining fees.
- 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	\$204.00	\$420.00
Courses numbered 600-999 (not listed below)	\$247.00	\$494.00
College of Health and Human Services		
All ANE courses 600-799	\$272.00	\$272.00
BMS 620, 622, 661, 665, 669, 700, 727 All CSD courses 800-999 All PAS courses 600-899 All PTE courses 600-999	\$272.00	\$519.00

Tuition for Internet Based Instruction (per credit hour)

Course Level or Type (does not include "blended" courses)	Missouri Resident	Non-Missouri Resident
Regular Internet (Missouri State Online) courses not listed below	\$275.00	\$275.00
College of Health and Human Services BMS 620, 622, 661, 665, 669, 700, 727 All CSD courses 800-999 NUR 700, 701, 703, 707, 711, 761, 772, 788 All NUR courses 800-999 All PAS courses 600-899 All PTE courses 600-999	\$300.00	\$300.00
Master of Science in Administrative Studies Program Courses specifically listed in the Graduate Catalog as applicable to the program requirements for the Master of Science in Administrative Studies that are offered via the Internet, excluding all TCM courses. The TCM courses applicable toward the Administrative Studies program will be assessed at the College of Business Internet rate.	\$250.00	\$250.00
Master of Science in Computer Information Systems Program Courses specifically listed in the Graduate Catalog as applicable to the program requirements for the Master of Science in Computer Information Systems that are offered via the Internet.	\$410.00	\$410.00

Supplemental Fees

Supplemental course fees, program fees, confirmation/deposits, and application fees are described on page 5 and listed on pages 34-39 of the [2013-14 Fee Schedule](#).

Other Fees

For a comprehensive list of other fees (i.e., supervised teaching, transcript fee, credit card processing fee, etc.) refer to pages 10 through 20 of the [2013-14 Fee Schedule](#).

Refunds

[Link to Refund Information and Appeals for Exceptions](#)

Fee Payment Deadlines

(if eligible for [My Payment Plan](#))

Fall Term

First Installment: August 25

Second Installment: September 25

Final Payment: October 25

Spring Term

First Installment: January 25

Second Installment: February 25

Final Payment: March 25

Summer Term

First Installment: June 25

Final Payment: July 25

Important Dates and Deadlines

Sep 25 **All day** • Last day to Drop, Withdraw, declare Pass/Not-Pass or Audit for First Block Classes

Oct 6 **All day** • Mid-Semester Grade Rosters Available

Oct 8 **All day** • First Block Classes End

Oct 9-10 **All day** • Fall Break (No

[FAQ's About Your Account](#)

[Financial Aid](#)

[Payment Options and Deadlines](#)

[Refunds](#)

[Residency for Fee Purposes](#)

[Typical Yearly Costs](#)

E-MAIL ADDRESS:

Registrar@missouristate.edu

VeteransServices@missouristate.edu

MAILING ADDRESS:

Office of the Registrar
Carrington Hall 320
Missouri State University
901 South National Avenue
Springfield, MO, 65897

PHONE NUMBERS:

Office of the Registrar:
417-836-5520

Veteran Services:
417-836-6199

Fax Numbers:
417-836-6334 or 836-8776

Classes/Offices Open

Oct 13 **All day • Second Block**
Classes Begin

Tuition for BearNet Instruction (per credit hour)

Course Level or Type	Missouri Resident	Non-Missouri Resident
Courses numbered 1-599	\$204.00	\$204.00
Courses numbered 600-899	\$247.00	\$247.00
EDD (formerly EAD) courses numbered 900-999 are based on University of Missouri-Columbia resident rate.		

[Full Academic Calendar](#)

[Log in to access your account](#)

Exceptions to the Tuition Schedule Above

Course Level or Type	Missouri Resident	Non-Missouri Resident
High School Dual Credit	\$97.00 per credit hour	\$97.00 per credit hour
eMints (Enhancing Missouri's Instructional Networked Teaching Strategies)	\$100.00 per credit hour	\$100.00 per credit hour
R-12 enrollees in SFR 791/Step-Up	\$45.00 per credit hour	\$45.00 per credit hour
AGE 728 and AGE 738, Induction Year Teaching	\$175.00 per credit hour	\$175.00 per credit hour
GEN 598 and GEN 798, Active in Research	\$75.00 flat fee in place of per credit hour fee	\$75.00 flat fee in place of per credit hour fee
MIL 225 and MIL 325, Military Science Practicum	\$150.00 flat fee in place of per credit hour fee	\$150.00 flat fee in place of per credit hour fee
EDD (formerly EAD) 900-level courses are based on University of Missouri-Columbia graduate course per credit hour fee		
EGR (Engineering) 199, 200, and 201 based on Missouri University of Science and Technology rates		
For Study Away courses administered by MSU (i.e., courses that are transcribed as MSU credit, not transfer credit), tuition will be assessed at the Missouri resident rate for both residents and non-residents. This does not apply to students registered for placeholder (tracking) courses with a study away indicator that are associated with courses they are taking through other colleges or universities for which transfer credit will be awarded. Additional program fees will be assessed.		

Use My Missouri State to:

- Register for classes
- Pay Tuition
- Request a transcript and view grades
- View your degree audit
- Request veterans certification

Student Services Fees

- Student Services Fees are on an incremental scale based on the total number of hours enrolled.
- Blended courses (those that integrate online and traditional face-to-face activities) are assessed Student Services Fees. Such courses are identified with an instructional method of "blended" in the semester class schedule.

Fall 2013 and Spring 2014	Summer 2014
1-hour load: \$132.00 2-hour load: \$170.00	1-hour load: \$99.00 2-hour load: \$136.00

3-hour load: \$206.00	3-hour load: \$172.00
4-hour load: \$243.00	4 or more-hour load: \$212.00
5-hour load: \$280.00	
6-hour load: \$317.00	
7 or more-hour load: \$394.00	

Other Enrollment Fees

Course Level or Type	Missouri Resident	Non-Missouri Resident
College of Arts and Letters Course Fee (per credit hour)		
Media, Journalism & Film Production-Intensive Courses: JRN 478, 388, 481, 592; MED 130, 290, 361, 365, 382, 383, 390, 461, 465, 466, 490, 498, 561, 562, 583 Applies to Internet-based instruction as well.	\$18.00 per credit hour	\$18.00 per credit hour
MUS courses numbered 000-799 (except MUS 107, 108, 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 207, 208, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 298, 307, 308, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 407, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 488, 494, 496, 498, 499, 649, 651, 652, 653, 655, 656, 660, 749, 751, 752, 753, 755, 756, 760) Applies to Internet-based instruction as well.	\$15.00 per credit hour	\$15.00 per credit hour
College of Business Course Fee (per credit hour)		
All upper level, undergraduate, College of Business courses numbered 300-599 (except BSE 493, BSE 494, BSE 499, FCS 493, FCS 494 and FCS 498). Applies to Internet-based instruction as well.	\$25.00 per credit hour	\$25 per credit hour
Graduate-level College of Business courses: All ACC courses 601-799; All BUS courses 600-799 All CIS courses 601-799; All FIN courses 600-799 All INS courses 600-799; All LAW courses 600-799 All MGT courses 600-799; All MKT courses 600-799 All QBA courses 600-799; All TCM courses 600-799 Applies to Internet-based instruction as well with following exception: Courses specifically listed in the Graduate Catalog as applicable to the program requirements for the Master of Science in Computer Information Systems programs that are offered via the Internet will be assessed at Master of Science in Computer Information Systems rate (see Internet-Based Instruction).	\$32.00 per credit hour	\$32.00 per credit hour

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 Master's** 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 program of study.
- **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 spring semester, summer session, and fall semester to recognize candidates for graduation.
- **Comprehensive Major** A BA or BS major that 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** 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.
- **Intent to Graduate** Form completed by seniors in their final semester of coursework. This form triggers a review of the student's academic record, inclusion in the commencement program, and diploma ordering.
- **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 master's 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 an 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.
- **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** Non-degree seeking graduate student who has earned a bachelo'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 such as program of study or student classification (e.g. senior status; graduate status, etc.)
- **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.

Faculty and Administrative Staff

Faculty and teaching credentials (as of July 23, 2013)

- [Faculty and Administrative Staff](#)
- [Emeritus Faculty](#)

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Allan D. Stone (1972-2000) Emeritus Professor of Economics. B.A., Beloit College (1961); M.A., University of Oklahoma (1964); Ph.D., University of Oklahoma (1973).

Richard L. Stovall (1977-2002) Emeritus Professor of Communication. B.A., Southwest Missouri State University (1966); M.A., C.W. Post College of Long Island University (1969); Ph.D., Ohio State University (1975).

Hugh L. Strawn (1982-2001) Emeritus Professor of School of Teacher Education. B.S. in Ed., Northern Illinois University (1972); M.S.

in Ed., Northern Illinois University (1974); Ph.D., University of Wisconsin-Madison (1981).

Dianne C. Strickland (1974-2010) Emeritus Professor of Art and Design. A.B., Duke University (1967); A.M., University of Michigan (1968); Ph.D., University of Iowa (1980).

Jean Stringam (2001-2011) Emeritus Professor of English. B.A., Brigham Young University (1968); M.A., Brigham Young University (1971); B.Ed., University of Alberta (Canada) (1993); Ph.D., University of Alberta (Canada) (1998).

Woodrow Sun (1969-2002) Emeritus Professor of Mathematics. B.S., Cheng Kung University (1961); M.S., University of Oklahoma (1966); M.A., University of Oklahoma (1968); Ph.D., University of Oklahoma (1973).

William N. Sutherlin (1969-1994) Emeritus Professor of Mathematics. B.S.M.E., University of Missouri-Rolla (1958); B.S. in Ed., University of Missouri-Columbia (1962); M.Ed., University of Missouri-Columbia (1964); M.S., University of Oregon (1967); Ph.D., University of Oregon (1976).

George S. Swales, Jr. (1982-2006) Emeritus Professor of Finance and General Business. B.S., George Mason University (1975); M.B.A., George Mason University (1979); Ph.D., University of Arkansas (1984).

Jean C. Swanson (1984-2004) Emeritus Professor of Computer Information Systems. B.A.E., Wayne State University (1968);

M.S.E., Wayne State University (1969); Ph.D., Arizona State University (1985).

Dale C. Talburt (1987-2000) Emeritus Professor of Computer Science, West Plains Campus. B.S.A., University of Arkansas (1953); M.Ed., University of Arkansas (1960); Ph.D., University of Missouri (1973).

Houston Taylor, Jr. (1967-1994) Emeritus Professor of Technology. B.A., College of the Ozarks (1956); M.Ed., University of Arkansas (1957); Ed.D., University of Arkansas (1968).

Myron L. Taylor (1973-1997) Emeritus Professor of English. B.S.L., Ozark Christian College (1958); M.S., Fort Hays State University (1961); Ph.D., Ball State University (1972).

Vernon J. Thielmann (1974-2004) Emeritus Professor of Chemistry. B.S., Northern South Dakota State College (1963); M.N.S., University of South Dakota-Vermillion (1968); Ph.D., Baylor University (1974).

Peggy J. Thomas (1964-1998) Emeritus Professor of Health, Physical Education, and Recreation. B.S. in Ed., Southwest Missouri State University (1955); M.Ed., University of Missouri-Columbia (1962); Ed.D., University of Utah (1968).

William J. Thomas (1956-1997) Emeritus Professor of Health, Physical Education, and Recreation. B.S. in Ed., Southwest Missouri State University (1959); M.Ed., University of Missouri-Columbia (1963).

Clifton C. Thompson (1974-1996) Emeritus Professor of Chemistry. B.S., Middle Tennessee State University (1961); Ph.D., University of Mississippi (1964).

Loanna M. Thompson (1978-2002) Emeritus Professor of Consumer and Family Studies. B.S. in Ed., Southwest Missouri State University (1957); M.Ed., University of Missouri-Columbia (1961); Ph.D., University of Missouri-Columbia (1993).

M. Gary Thompson (1982-2002) Emeritus Professor of Health, Physical Education, and Recreation. B.S. in Ed., Pittsburg State University (1964); M.S., Pittsburg State University (1969).

Sarah Louise Hudson Thompson (1972-1987) Emeritus Professor of Accounting. B.S. in Ed., Northeastern Oklahoma State University (1966); M.T., Northeastern Oklahoma State University (1967).

Wade S. Thompson (1979-2012) Emeritus Professor Art and Design. B.A., Macalester College (1968); M.A., Bowling Green State University (1972); M.F.A., Bowling Green State University (1972).

Robert E. Thurman (1966-2004) Emeritus Professor of Physics, Astronomy and Materials Science. B.S., University of Missouri-Rolla (1962); M.S., University of Wisconsin-Madison (1964); Ph.D., University of Missouri-Rolla (1977).

Roger N. Tipling (1976-2007) Emeritus Professor of Childhood Education and Family Studies. B.S., Kansas State University (1966); M.S., Kansas State University (1968); D.Ed., University of Oklahoma (1973).

Paul M. Toom (1986-2008) Emeritus Professor of Chemistry. B.A., Central College of Iowa (1964); Ph.D., Colorado State University (1969).

Elizabeth E. Topping (1979-2003) Emeritus Professor of Economics. B.A., University of British Columbia (1967); A.M., University of Missouri-Columbia (1974); Ph.D., University of Missouri-Columbia (1985).

Howard G. Townsend (1974-2001) Emeritus Research Professor of Fruit Science. B.S., Cornell University (1960); M.S., Virginia Polytechnic Institute (1963); Ph.D., Pennsylvania State University (1970).

Robert L. Trewatha (1968-2000) Emeritus Professor of Management. A.B., Drury College (1955); M.B.A., University of Arkansas (1960); Ph.D., University of Arkansas (1964).

Alexander D. Trombetta (1963-1998) Emeritus Professor of Health, Physical Education, and Recreation. B.S., University of Indiana-Bloomington (1962); M.S., University of Indiana-Bloomington (1963); H.S.D., University of Indiana-Bloomington (1981).

Richard M. Turner (1961-1997) Emeritus Professor of English. A.B., Grinnell College (1955); M.A., University of Colorado (1961); Ph.D., University of Colorado (1967).

Barbara S. Turpin (1988-2010) Emeritus Professor of Psychology. B.A., Central Washington University (1974); M.S., Central Washington University (1975); Ph.D., University of North Carolina

(1989).

Gerald G. Udell (1988-2008) Emeritus Professor of Marketing. B.S.E., University of Wisconsin-Madison (1962); M.B.A., University of Wisconsin-Madison (1965); Ph.D., University of Wisconsin-Madison (1972).

Bobby C. Vaught (1978-2003) Emeritus Professor of Management. B.S.I.M., University of Arkansas (1965); M.B.A., North Texas State University (1972); Ph.D., North Texas State University (1979).

Stanley A. Vining (1960-1996) Emeritus Professor of Political Science. B.A., Washburn University (1956); M.A., University of Kansas (1957).

Joyce J. Waldron (1974-1998) Emeritus Professor of Consumer and Family Studies. B.S., Oklahoma State University (1954); M.S., Oklahoma State University (1961); Ed.D., Oklahoma State University (1975).

Gary L. Ward (1978-2010) Emeritus Professor of Sports Medicine and Athletic Training. B.S., Montana State University (1974); M.S., University of Arizona-Tucson (1975).

E. Dale Wasson (1969-2005) Emeritus Professor of Economics. B.A., Southern Illinois University (1963); M.A., Southern Illinois University (1966); Ph.D., Oklahoma State University (1980).

Lynn E. Wasson (1979-2005) Emeritus Professor of Management. B.S., Southern Illinois University (1965); M.S., Oklahoma State University (1969); Ed.D., Oklahoma State University (1984).

Beverly Weatherwax (1988-2011) Emeritus Instructor of Mathematics. B.A., Cornell College (1966); M.A.T., Purdue University (1969); M.S., Purdue University (1971).

Sandra K. Wegner (1986-2005) Emeritus Professor of Educational Administration. B.S. in Ed., Southwest Missouri State University (1968); M.Ed., Drury College (1976); Ed.S., Southwest Missouri State University (1980); Ed.D., University of Missouri-Columbia (1985).

Scott B. Wegner (1990-2011) Emeritus Professor of Counseling, Leadership, and Special Education. B.A., University of Northern Iowa (1973); M.A., University of Northern Iowa (1981); Ed.D., University of Wyoming (1987).

Clifford I. Whipple (1969-1992) Emeritus Professor of Psychology. B.A., University of Missouri-Columbia (1957); M.A., University of Kentucky (1960); Ph.D., University of Kentucky (1964).

Jon H. Wiggins (1978-2011) Emeritus Professor of Agriculture. B.S. in Ed., Western Carolina University (1975); M.I.E., Western Carolina University (1976); Ed.D., University of Arkansas (1978).

James M. Wilbur, Jr. (1963-1991) Emeritus Professor of Chemistry. B.S., Muhlenberg College (1951); Ph.D., University of Pennsylvania (1959).

Martha F. Wilkerson (1973-2006) Emeritus Professor of Sociology, Anthropology, and Criminology. B.A., Mary Hardin-Baylor College (1966); M.A., Texas Tech University (1968); Ph.D., Oklahoma State

University (1973).

Robert F. Wilkinson, Jr. (1964-1998) Emeritus Professor of Biology. A.B., University of Missouri-Columbia (1959); A.M., University of Missouri-Columbia (1962); Ph.D., University of Missouri-Columbia (1965).

Dale E. Williams (1965-2002) Emeritus Professor of Health, Physical Education, and Recreation. B.S., Fort Hays State University (1960); M.S., Fort Hays State University (1963).

Ralph W. Williams (1979-1998) Emeritus Professor of Management. B.S., Purdue University (1958); M.B.A., University of Washington (1962); Ph.D., University of Oregon (1966).

Tillman D. Williams (1991-2006) Emeritus Professor of Health, Physical Education and Recreation. B.S. in Ed., Southwest Missouri State University (1971); M.S., Indiana University (1972); Ph.D., Indiana University (1983).

Ann L. Wilson (1972-1990) Emeritus Professor of Computer Information Systems. B.S., Drury College (1968); M.B.A., Drury College (1972).

Gary E. Wilson (1968-2001) Emeritus Professor of Counseling. B.S., Southwest Missouri State University (1967); M.B.A., University of Arkansas (1969); Ph.D., University of Missouri-Columbia (1979).

Delmar D. Wipf (1971-1997) Emeritus Professor at Greenwood Laboratory School. B.S. in Ed., Emporia State University (1965); M.S., Emporia State University (1968).

Joe L. Wise (1964-1991) Emeritus Professor of Mathematics. B.S., Southwest Missouri State University (1947); M.Ed., University of Missouri-Columbia (1954).

George W. Wolf (1971-2009) Emeritus Professor of Physics, Astronomy and Materials Science. B.A., University of Pennsylvania (1965); M.S., University of Pennsylvania (1967); Ph.D., University of Pennsylvania (1970).

Karen Lee Woodall (1982-2010) Emeritus Professor of Management. B.S.E, Arkansas State University (1973); M.S.E, Arkansas State University (1974); Ed.D., University of Tennessee (1982).

James R. Woodward, Jr. (1957-1997) Emeritus Professor of Modern and Classical Languages. B.A., University of Northern Colorado (1953); M.A., University of Colorado (1958).

Thomas L. Wyrick (1978-2011) Emeritus Professor of Economics. B.S., Southwest Missouri State University (1973); M.S., Oklahoma State University (1974); Ph.D., Virginia Polytechnic Institute and State University (1979).

Hugh C. Yorty (1967-2004) Emeritus Professor of Art and Design. B.F.A., Kent State University (1965); M.A., University of Iowa (1967); M.F.A., University of Iowa (1967).

Juris Zarins (1978-2006) Emeritus Professor of Sociology, Anthropology, and Criminology. B.A., University of Nebraska (1967); Ph.D., University of Chicago (1976).

Liang-Cheng Zhang (1991-2010) Emeritus Professor of Mathematics.

Ph.D., University of Illinois (1990).

Missouri State University Per Course Faculty**Reported by Colleges**

(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Aasby	Susan	Communication Sciences and Disorders	MA, Missouri State University (1979)
Adams	Jodie	Kinesiology	Executive Development-NRPA school Master's Equivalent, University of Arizona (1992)
Aho	Kyle J.	Music	MM, Missouri State University (2010)
Akinmoladun	Tunde	Public Health	PhD, University of Oklahoma (1986)
Aleshire	Tabith	Social Work	MSW, Missouri State University (2009)
Anderson	Marty C.	Criminology and Criminal Justice	MS, Southwest University, TX (1994)
Arnold	Melinda E	Communication	MA, Missouri State University (1995)
Artman	Amy	Religious Studies	PhD, University of Chicago, IL (2009)
Augustson	Darice E.	Music	BM, St. Francis University (1974)
Bacon	Karen	Communication Sciences and Disorders	MA, Missouri State University (1983)
Baker	JoAnn	Communication Sciences and Disorders	MA, Missouri State University (1988)
Balasundaram	Clement	Computer Information Systems	MBA, Missouri State University (2006)
Balasundaram	Guutam I.	Computer Information Systems	MBA, Missouri State University (2006)
Ball	Zach	Physical Therapy	MPT, Missouri State University (2007)
Barnett	Helen L.	Sociology and Anthropology	MA, Lincoln University, MO (1986)
Barnett	Joann	Mathematics	BSEd, Missouri State University (1982)
Baum	Allicia	Psychology	PsyD, Forest Institute of Professional Psychology (2002)
Beberniss	Kathy	Biomedical Sciences	MS, University of Nebraska (1982)
Beck	Stefanie D.	Greenwood Laboratory School	BA, Missouri State University (2011)
Beissel	Donald	Biomedical Sciences	MSNA, St. Mary's University of Minnesota (2001)
Bennett	Susan	Theatre and Dance	MFA, Lindenwood University, MO (1987)
Bergant	Amy	Modern and Classical Languages	MA, University of Missouri (2011)
Berman	Ilan I.	Defense and Strategic Studies	JD, American University (2000)
Bigley	Louise	Nursing	MSN, Missouri State University (2012)
Black	Joe M.	Greenwood Laboratory School	MSEd, Drury University, MO (1997)
Blansit	Amy	Kinesiology	Advanced Masters, Adelphi University (2002)
Bloodworth	Julie	Theatre and Dance	BSED, Missouri State University (1990)
Bodenstein	Amanda J.	History	MA, Missouri State University (2011)
Bond	Terry M.	Greenwood Laboratory School	MSEd, Missouri State University (1980)
Boone	Tonya	Social Work	MSW, University of Missouri-Columbia (1994)
Borich	Michael	Media, Journalism & Film	MFA, University of California (1979)
Borovicka	Joseph L.	Art and Design	MFA, Indiana University (2008)
Botsford	Diana	Media, Journalism & Film	MA, Seton Hill University (2006)
Bowden	Dennis J.	Defense and Strategic Studies	MA, Indiana University (1985)
Bowser	John	Nursing	PhD, University of Wisconsin-Madison (2013)
Boyer	Mark G.	Religious Studies	MA, Indiana University (1981)
Boyt	Tamara	Childhood Education and Family Studies	MSEd, Missouri State University (1995)
Bradley	Karla	Nursing	MHA, Missouri State University (2005)
Brammer	Ronald L.	Music	MS, University of Arkansas (1972)
Breshears	Mary Beth	History	MA, Hampton University (1983)

Missouri State University Per Course Faculty**Reported by Colleges**

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Last Name	First Name	Academic Department/School	Highest Degree Earned
Brewer	Charles	Kinesiology	BS, Missouri State University (2011)
Brilhart	Sue E.	Communication	MS, University of Nebraska (1980)
Brocaille	Nicole	Psychology	MS, Missouri State University (2013)
Bronson	Lisa	Defense and Strategic Studies	JD, Cornell Law School (1982)
Brooks	John M.	Greenwood Laboratory School	MS, Missouri State University (1978)
Brown	Bryan A.	Communication	MA, Missouri State University (2002)
Brundege	Alishia	Reading, Foundations, and Technology	MS, Missouri State University (1997)
Brunner	Judy	Reading, Foundations, and Technology	EdS, Missouri State University (1988)
Bubalo	Julia	Theatre and Dance	BS, Drury University, MO (1992)
Buergler	Melanie	Psychology	MS, Missouri State University (2003)
Bullard	Steven M.	Accountancy	MT, University of Denver, CO (1978)
Bunch	Kenyon D.	Political Science	PhD, University of Missouri-Columbia (1985)
Burmood	Jacob B.	Art and Design	MFA, University of Kansas (2013)
Burnett,	Thomas	Kinesiology	PhD, Texas A&M University (1974)
Burton	Brian G.	Computer Information Systems	EdD, University of Missouri (2008)
Bylander	Cynthia L.	Art and Design	MSED, Missouri State University (1982)
Cagle	Michael	Mathematics	MA, Missouri State University (1994)
Cameron	Paul	Biomedical Sciences	MA, Missouri State University (1971)
Capeci	Dominic J.	History	PhD, University of California-Riverside (1970)
Caravella	Dave	Kinesiology	AA, Florida Atlantic University (1998)
Carlson	Emilia	Modern and Classical Languages	BS, Northwestern University (2001)
Carlson	Emilia	Theatre and Dance	JD, University of Kansas (2010)
Carrington	Terri	Communication Sciences and Disorders	MA, University of Missouri (1975)
Carroll	Kristen	English	BA, Missouri State University (2010)
Carver	Jean A.	Criminology and Criminal Justice	MS, Oklahoma State University (2007)
Cash	Cody D.	Philosophy	MA, University of Arkansas (2010)
Castanada	Elena	Mathematics	MS, Missouri State University (2012)
Choate	Lenetta	Psychology	MA, Southern Connecticut State University (1998)
Choate	Lenetta	Art and Design	MA, Southern Connecticut State University (1998)
Cleveland	Kristen	Physical Therapy	DPT, Simmons College (2010)
Cline	Gabriel	Psychology	PhD, University of Nebraska (2009)
Closser	John Clark	English	PhD, University of Arkansas (1981)
Cobb	Claire	Childhood Education and Family Studies	MSEd, Missouri State University (1987)
Cockrum	Leslie	Communication Sciences and Disorders	MS, Missouri State University (2004)
Collier	Meaghan	History	MA, Missouri State University (2010)
Conover	Angela	Social Work	MSW, Missouri State University (2004)
Cook	Heather M.	English	MA, Missouri State University (2012)
Coopwood	Ken	Psychology	PhD, Indiana State University (2000)
Coulter	Adam	Geography, Geology, and Planning	MS, Shippensburg University, PA (1995)
Cover	Joseph W.	English	MA, Missouri State University (2005)
Cox	Erica	Biology	MS, Missouri State University (1999)
Craig	Deborah J.	Communication	MA, Missouri State University (1977)
Crosby	Shannon	Biomedical Sciences	MPH, Missouri State University (2007)

Missouri State University Per Course Faculty**Reported by Colleges**

(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Crouch	Wedge A.	Communication	JD, University of Missouri (1987)
Curry	Natalie	Social Work	MSW, Washington University (2006)
Curtis	Jennifer G.	Sociology and Anthropology	PhD, Washington University (2005)
Daehn	James	Mathematics	MS, Rochester Institute of Technology, NY (1994)
Dake	Pamela M.	Fashion and Interior Design	MS, Missouri State University (2013)
Daniel	Todd	Psychology	MA, Denver Seminary (1995)
Daucher	Timothy D.	Music	MM, Missouri State University (2010)
Davis	Larry L.	Greenwood Laboratory School	MSEd, Drury University, MO (1998)
Dean	Les	Psychology	PhD, University of Missouri-Columbia (1996)
DeBiaso	Peppino A.	Defense and Strategic Studies	PhD, University of Southern California (1987)
DeGarmo	Matt J.	Criminology and Criminal Justice	MA, University of Missouri-St. Louis (2008)
Dempsey	Christina	Nursing	MSN, Missouri State University (2012)
Dempsey	Russell	Psychology	JD, Washburn University School of Law (2002)
Demster	Joseph	Physics, Astronomy, and Materials Science	MS, Missouri State University (2012)
DeTrani	Joseph R.	Defense and Strategic Studies	BS, New York University (1962)
DeWater	Shanna	Nursing	DNP, University of Iowa (2012)
DeWitt	Thomas A.	Agriculture	MS, Iowa State University (1978)
Dill	Jack	Geography, Geology, and Planning	BS, Survey license (1990)
Dodge	Amy	Mathematics	
Dominguez	Dana	Media, Journalism & Film	MA, Missouri State University, PA (2012)
Downs	Debbie	Kinesiology	MS, University of Central Missouri (1995)
Dubinsky	Julie K.	Finance and General Business	MHA, Missouri State University (2009)
Eichholz	Ralph	Kinesiology	MEd, Webster University (1979)
Elkins	Kenneth R.	Religious Studies	MA, Missouri State University (1987)
Elliott	Travis A.	Agriculture	JD, University of Missouri (2007)
Ellis	Sheila A.	Greenwood Laboratory School	MSEd, Drury University, MO (1998)
Elliston	Hiromi	Modern and Classical Languages	Asso., Onomichi Junior College, Japan (1987)
Ellsworth	Lisa	Social Work	MSW, Missouri State University (2001)
Embree	David E.	Religious Studies	MA, Missouri State University (1994)
Eschman	Bret	Psychology	MS, Missouri State University (2013)
Field	Christopher	Biomedical Sciences	PhD, University of North Carolina (1969)
Fielding	Steven R.	Art and Design	MSED, Missouri State University (1981)
Finley	Philip	Psychology	PhD, Saint Louis University, MO (2011)
Foster	Jeff	Psychology	PhD, University of Missouri-St. Louis (2004)
Franklin	Audra	Social Work	MSW, University of Missouri-St. Louis (2008)
Frauenhoffer	Megan	Art and Design	MFA, Minneapolis College of Art and Design (2010)
Frederick	Gretchen	Childhood Education and Family Studies	BS, University of Kansas (1978)
Freeble	Douglas	Modern and Classical Languages	PhD, Ohio State University (2004)
Freiert	Mark	Chemistry	BSEd, Missouri State University (1978)
Frew	Morgan S.	Art and Design	MFA, Pratt Institute, NY (2008)
Frietze	Joseph	Psychology	MS, Missouri State University (1998)

Missouri State University Per Course Faculty**Reported by Colleges**

(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Fugitt	John J.	Religious Studies	MA, Midwestern Baptist Theological Seminary, MO (1990)
Fuqua	Ben D.	Agriculture	PhD, University of Arkansas (1972)
Getchell	John	Social Work	MSW, Missouri State University (2005)
Gillette	James	Mathematics	JD, University of Missouri-Columbia (2009)
Gillihan	Allan	Physics, Astronomy, and Materials Science	MSEd, Missouri State University (1977)
Gilmer	Amber M.	English	BA, College of the Ozarks, MO (2007)
Givens	Jamie	Nursing	DNP, Chatham University (2012)
Goodale	Deborah	Marketing	MBA, Missouri State University (1989)
Goodale	Deborah A.	Finance and General Business	MBA, Missouri State University (1989)
Goodwin	Andrew M.	Art and Design	BFA, Missouri State University (2011)
Gordon	Denise	Social Work	MSW, Iowa University (1997)
Gratton	Andrew	Technology and Construction Management	MS, Boston College, MA (2008)
Gray	Jerry	Psychology	PhD, University of Arizona (1969)
Gregg	Judith	Reading, Foundations, and Technology	MS, Missouri State University (1971)
Grevillius	Doris	Kinesiology	MEd, Pittsburg State University (1971)
Griesemer	Kevin C.	Computer Information Systems	BA, Missouri State University (1994)
Grisham	Craig A.	Agriculture	ME, University of Missouri (1999)
Groves	Gregory D.	Finance and General Business	JD, Missouri (1988)
Groves	Jeff	Political Science	JD, University of Missouri-Columbia (1991)
Guion	Neil	Geography, Geology, and Planning	JD, University Of Virginia (1985)
Gulliams	Marcia R.	Computer Information Systems	MSEd, Missouri State University (2005)
Hachtel	Neely	Art and Design	MFA, University of Missouri (1999)
Hall	David A.	Management	MBA, Missouri State University (2001)
Hamilton	Leah D.	Music	Post-Graduate Diploma in Music, Royal Scottish Academy of Music and Drama (2006)
Hammer	Debbie	Childhood Education and Family Studies	MSEd, Missouri State University (2006)
Happel	Rachel	Psychology	MS, Missouri State University (2006)
Hatch	Hing Wah	Art and Design	BFA, University of Nebraska (1974)
Hawkins	Viktoryia	Fashion and Interior Design	MS, State University of Design & Technology, Moscow, Russia (2000)
Heinlein	Courtney	Theatre and Dance	BS, Winthrop University, SC (2003)
Herman	Gary	Sports Medicine and Athletic Training	MS, University of Tennessee (2009)
Herr	Melisa B.	English	MA, Bowling Green State University, OH (2000)
Herr	Melissa	Theatre and Dance	MA, Bowling Green University, OH (2000)
Hesser	Patti	Communication Sciences and Disorders	MA, Oklahoma State University 1997)
Hetzler	Brandon	Sports Medicine and Athletic Training	MS, Oklahoma State University (2002)
Hicks	Misty	Psychology	EdS, University of Missouri – Columbia (2011)
Hillgren	Kathrene	Psychology	MA, Adler School of Professional Psychology (2010)
Hines	James N.	Accountancy	MAcc, Missouri State University (2008)
Hoang	Tung	Chemistry	
Hogan	Joy	Kinesiology	BS, Missouri State University (1982)

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(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Holcomb	Kazumi	Modern and Classical Languages	MA, Missouri State University (2007)
Holden	Shannon	Reading, Foundations, and Technology	EdS, Lindenwood University, MO (2008)
Hosmer	Bob	Geography, Geology, and Planning	MA, Missouri State University (1986)
House	Sandra K.	Communication	PhD, University of Tulsa, OK (1977)
Hulett	Henry J.	Computer Information Systems	MFA, University of Delaware (1982)
Jackson	Robert	Physics, Astronomy, and Materials Science	BS, Missouri State University (2000)
Jackson	Wendy	Social Work	MSW, Missouri State University (2001)
Jacobs	Stephanie	Chemistry	BS, Missouri State University (2005)
Jacobson	Carol J.	English	MA, University of Missouri (1965)
Jensen	Eric	Hospitality and Restaurant Administration	JD, University of Missouri (1994)
Johns	Jourdain A.	Greenwood Laboratory School	BSEd, Missouri State University (2012)
Johnson	Dana J.	Defense and Strategic Studies	PhD, University of Southern California (1987)
Johnson	Julie A.	Kinesiology	MS, University of North Texas (2001)
Jolley	Andrea	Modern and Classical Languages	AA, Ozark Technical College, MO (2013)
Jones	Angelina H.	Sociology and Anthropology	PhD, University of Missouri (1999)
Jones	Dalton L.	Music	MM, Missouri State University (2008)
Jones	E. Deanice	Technology and Construction Management	PhD, Capella University, MN (2008)
Jones	Melissa	Communication Sciences and Disorders	MS, Missouri State University (2011)
Jordan	Linda	Reading, Foundations, and Technology	MS, Drury University, MO (1977)
Kadnikov	Dmitry	Chemistry	PhD, Iowa State University (2002)
Kartchner	Kerry M.	Defense and Strategic Studies	PhD, University of Southern California (1987)
Kaula	Radhika	Finance and General Business	MBA, Missouri State University (2006)
Keeling	Russell M.	Communication	PhD, University of Missouri (1968)
Keller	Ted	Geography, Geology, and Planning	BS, Northern Illinois University (1984)
Kelley	Carey L.	History	MA, Missouri State University (2007)
Kemper	Errin	Engineering	MS Missouri University of Science and Technology (2006)
Kennell	Everet	Media, Journalism & Film	MA, Missouri State University (1976)
Kenny	Erin	Sociology and Anthropology	PhD, University of Kentucky (1995)
Kepley	Michael S.	Computer Information Systems	MS, Missouri State University (2011)
Kimura	Clyde	Kinesiology	BA, Southern Baptist University (1967)
Kinser	Jimmy M.	Management	MBA, Missouri State University (2009)
Kissinger	Rod	Reading, Foundations, and Technology	MAEd, Southwestern Theological Seminary (1977)
Kitchin	Jonathan W.	English	MA, Missouri State University (2003)
Knox	Timothy H.	English	MA, Missouri State University (2010)
Koch	Susan J.	Defense and Strategic Studies	PhD, Harvard University (1972)
Kreider	Debbie	Management	MA, Webster University (2010)
Krumme	Gregg	Biomedical Sciences	MS, Missouri State University (2001)
Kubik	Ashley	Nursing	MSN, University of Missouri-Kansas City (2008)
Kuda	Amanda K.	Communication	MA, Missouri State University (2004)
Land	Andrea N.	Art and Design	MFA, San Francisco Art Institute, CA (2008)
Lansdown	Lynn M.	History	MA, Missouri State University (2005)
Lawson	Debby	Childhood Education and Family Studies	EdS, Missouri State University (1995)

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(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Leggitt	Stephen	Media, Journalism & Film	MFA, American Film Institute Conservatory, CA (2009)
Lineberry	Susan	Reading, Foundations, and Technology	MSEd, Missouri State University (1998)
Lines	Samuel	Art and Design	BFA, Missouri State University (1992)
Liu	Dandan	Modern and Classical Languages	MA, Missouri State University (2009)
Livingston	Amanda	Modern and Classical Languages	MA, Harding University, AR (2010)
Loffler	Robert B.	Music	MA, Truman State University, MO (1983)
Long	Beverly	Social Work	MSW, St. Louis University (1980)
Long	Debby	Kinesiology	MA, Drury University, MO (1988)
Lord	Patrick	Psychology	PsyD, Forest Institute of Professional Psychology (1995)
Lorenc	Quinn M.	Computer Information Systems	MBA, University of Phoenix (2007)
Lotz	Wendy	Communication Sciences and Disorders	MS, University of Wisconsin-Madison (1973)
Loudis	Anthony	Media, Journalism & Film	MEd, Drury University, MO (1992)
Luke	Amy	Sports Medicine and Athletic Training	MS, Missouri State University (2008)
Maas	Richard	Physical Therapy	DPT, Creighton University (2008)
Madden	Shirley	Communication Sciences and Disorders	MA, Western Illinois University (1975)
Mallahan	Carly A.	Music	MM, Missouri State University (2010)
Maloney	J. Jeff	Psychology	PhD, University of Mississippi (1977)
Mann	Natalya	Modern and Classical Languages	PhD, Volvovrad Pedagogical State University, Russia (1996)
Marcelo	Aimee	Computer Information Systems	MSEd, Missouri State University (2006)
Marcus	William	Kinesiology	EdS, Missouri State University (1994)
Markusic	James	Psychology	PhD, Walden University (1994)
Marler	William R.	Religious Studies	MA, Concordia Seminary (1983)
Martin	Marlin	Social Work	MSW, Missouri State University (1999)
Martin	Richard	Computer Science	EdD, Nova Southeastern University, FL (2002)
Martinez	Mark	Media, Journalism & Film	MA, University of Minnesota (2009)
Mattix	Lora B.	English	MA, Missouri State University (2008)
McCleave	Cheryl	Geography, Geology, and Planning	MS, Missouri State University (1991)
McClure	Charles R.	Political Science	MA, University of Missouri-Columbia (1974)
McCracken	Ramey S.	English	MA, Missouri State University (2013)
McCrary	Sue	Computer Information Systems	MBA, Missouri State University (2006)
McDonald	Scott G.	Finance and General Business	MBA, Webster (2010)
McFarlen	Jody	Media, Journalism & Film	BS, Missouri State University (2013)
McGuire	JoAnn	Psychology	PsyD, Forest Institute of Professional Psychology (2007)
McNew	Sarah	Psychology	PsyD, Forest Institute of Professional Psychology (1999)
McRae	Jennifer	Sports Medicine and Athletic Training	MS, Oklahoma State University (2006)
Medlin	Rhonda	Computer Information Systems	MAT, Missouri State University (2012)
Metzelthin	Krystal	Kinesiology	MS, Southwest Baptist University (1996)
Miller	Myra	Management	PhD, St. Louis University, MO (2013)
Miller	Worth R.	History	PhD, University of Oklahoma (1984)
Mitchell	Jennifer L.	History	MA, Missouri State University (2012)

Missouri State University Per Course Faculty**Reported by Colleges**

(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Moeglin	Tom	Geography, Geology, and Planning	PhD, University of Nebraska (1978)
Moore	Cynthia G.	Art and Design	MFA, University of Iowa (1985)
Moore	Dale	Media, Journalism & Film	MA, Missouri State University (1990)
Moore	Sara E.	Criminology and Criminal Justice	MA, Concordia University-Chicago, IL (2009)
Morrison	Martin T.	Music	MM, Southern Illinois University (2012)
Morrison	Scott	Reading, Foundations, and Technology	EdD, St. Louis University, MO (2007)
Mosley	Geoffrey	Physical Therapy	BHS-PT, University of Missouri (1997)
Moura	Isabel de Azeredo	Modern and Classical Languages	BA, PUC/MG, Brazil (2008)
Moyle	Tressa	Social Work	MSW, Missouri State University (2000)
Murphy	Lindsey	Childhood Education and Family Studies	MSEd, University of Missouri-Columbia (2012)
Murray	Kathleen A.	Music	MM, University of Cincinnati, OH (1989)
Nelson	Jacob A.	Technology and Construction Management	MS, Kansas State University (2005)
Newcomer	La Reva	History	MA, Missouri State University (1974)
Nichols	Carl	Reading, Foundations, and Technology	EdS, Missouri State University (2004)
Niekamp	Melissa	Nursing	MHA, Missouri State University (2004)
Norton	Jennifer	Hospitality and Restaurant Administration	BS, Missouri State University (1994)
Nowack	Melissa	Computer Science	BS, Missouri State University (1997)
O'Dell	Allison	Social Work	MSW, Missouri State University (2002)
O'Donnell	Sarah R.	Sociology and Anthropology	MS, Missouri State University (2013)
Ollar	Margaret	Reading, Foundations, and Technology	MSEd, Missouri State University (1996)
O'Neal	Stephanie L.	History	MA, Missouri State University (1970)
Oslakovic	J. Joseph	Mathematics	MS, Florida Institute of Technology (1991)
Oslakovic	Joseph	Computer Information Systems	MS, Florida Technological University (1991)
Owenby	Drucilla A.	Computer Information Systems	MSEd, Missouri State University (2005)
Pack	Tim	Kinesiology	MS, Central Missouri State University (1995)
Padgett	Lori M.	Agriculture	MSB, Pittsburg State University (1999)
Page	Cheryl	Communication Sciences and Disorders	MS, Central Missouri State University (1998)
Pamperien	Kelvin	Reading, Foundations, and Technology	PhD, University of Missouri (1997)
Parker	Lane E.	Technology and Construction Management	MS, Missouri State University (2004)
Parrish	Matthew	Media, Journalism & Film	BS, Missouri State University (2004)
Parrish	Rosalia A.	Greenwood Laboratory School	MAT, Missouri State University (2009)
Patterson	Kathryn	Nursing	MSN, University of Missouri-Kansas City (2007)
Pearce	Amy	Biomedical Sciences	MS, Missouri State University (2008)
Pearson	Annie L.	Agriculture	MS, Missouri State University (2011)
Pennington	David A.	Communication	MS, Missouri State University (2004)
Perreault	Heidi	Computer Information Systems	EdD, Oklahoma State University (1983)
Peterson	Don	Kinesiology	BA, Drury University, MO (1969)
Pettus	Julie E.	Computer Information Systems	MBA, Missouri State University (2004)
Phillips	Jana M.	Finance and General Business	JD, Washington University (1990)
Piland	Sherry S.	Art and Design	PhD, Florida State University (1997)
Porter	Joshua C.	Fashion and Interior Design	MBA, Missouri State University (2009)
Porter	Patricia S.	Technology and Construction Management	MS, Missouri State University (2007)
Pratt	Francine M.	African American Studies	BS, University of Phoenix, AZ (2002)
Price	Debra A.	Fashion and Interior Design	M.Ed, Missouri State University (2010)

Missouri State University Per Course Faculty**Reported by Colleges**

(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Prince	Lisa V.	Computer Information Systems	BA, Missouri State University (1993)
Prosono	Marvin T.	Sociology and Anthropology	PhD, University of California-San Francisco (1989)
Pruett	Adam	Biomedical Sciences	BS, Missouri State University (2007)
Puzach	Cheryl B.	Criminology and Criminal Justice	MS, Missouri State University (2012)
Qualls	Lisa A.	Music	MM, Pittsburg State University, KS (1984)
Quigley	Roger	Mathematics	MSEd, Missouri State University (1974)
Rader	John G.	Political Science	PhD, University of Kansas (1985)
Rakowski	Karen	Sports Medicine and Athletic Training	BSPT, University of Missouri (1992)
Rapp	Kelly	Psychology	PhD, Indiana University (2010)
Rasmussen	Jamie P.	Criminology and Criminal Justice	JD, Michigan State University College of Law (2007)
Rast	Rebecca L.	Marketing	MBA, Missouri State University (2002)
Rathbun	Susa	Fashion and Interior Design	MSEd, University of Central Missouri (1990)
Ray	Nicole	Management	MA, Evangel University, MO (2010)
Reed	Jeremy	Physical Therapy	OD, Kirksville College of Osteopathic Medicine (2005)
Rice	Judith A.	History	PhD, University of Illinois, Urbana-Champaign (1993)
Robertson	Lori	Management	MBA, Missouri State University (2001)
Robinson	Wesley	Chemistry	MS, Missouri State University (2008)
Roggensees	David P.	History	MA, Missouri State University (1993)
Rosen-O'Neil	Megan S.	Art and Design	MA, Drury University, MO (2010)
Roth	Daniel	Physical Therapy	PharmD, St. Louis College of Pharmacy (2009)
Rugutt	James	Reading, Foundations, and Technology	PhD, Louisiana State University (1996)
Russell	Gay Lynn	History	MS, Missouri State University (1973)
Ryder	Christina L.	Sociology and Anthropology	MS, University of California-Irvine (2005)
Sachse	Angela C.	Fashion and Interior Design	MEd, Drury University, MO (2012)
Salchow	Jason W.	Agriculture	DVM, University of Missouri (2001)
Salsman	Dan	Kinesiology	MEd, Drury University, MO (1996)
Savage	Jenn	Communication Sciences and Disorders	MA, Evangel University, MO (2011)
Sawyer	Rebecca	Reading, Foundations, and Technology	EdS, Missouri State University (1996)
Saxon	Caryn E.	Criminology and Criminal Justice	MS, Missouri State University (2012)
Scales	Megan L.	Sociology and Anthropology	MS, Missouri State University (2010)
Scheele	Robert M.	Computer Information Systems	MS, Missouri State University (2003)
Schenk	Lynne	Communication Sciences and Disorders	AuD, Missouri State University (2012)
Schlinder	Kelly	Modern and Classical Languages	MA, University of Arkansas (2009)
Schmidt	Steven F.	Computer Information Systems	MS, Missouri State University (2001)
Schmidt	Vicki	Reading, Foundations, and Technology	PhD, University of Kansas (2007)
Scott	Vicky L.	Music	MM, Missouri State University (1989)
Senter	Pamela K.	Art and Design	MFA, University of Missouri (1994)
Sheetz	Jamie	Kinesiology	MS, Missouri State University (2006)
Shelton	Adam M.	Music	MM, Missouri State University (2010)
Shilling	Michael	Media, Journalism & Film	BS, Iowa State University (1968)
Shryack	Tim	Nursing	MPH, Missouri State University (2006)

Missouri State University Per Course Faculty**Reported by Colleges**

(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Skahan	Jeanne	Childhood Education and Family Studies	MS, Pittsburg State University (1983)
Sly	James	Physics, Astronomy, and Materials Science	MSEd, Missouri State University (1993)
Smith	Carolyn J.	Music	MS, North Texas State University (1985)
Smith	Kathryn A.	Greenwood Laboratory School	MA, Missouri State University (1976)
Smith	Luther	Social Work	MSW, University of Missouri-Kansas City (2003)
Smith	Peter C.	Agriculture	DE, University of Arkansas (1994)
Smith	Ralph R	Communication	PhD, University of Southern California (1973)
Smith	Susan A.	Political Science	MPA, Missouri State University (2002)
Soldner	Regan A.	Greenwood Laboratory School	BS, Missouri State University (2012)
Southern	Lia M.	Music	MM, University of Arkansas
Spangler	Kate Y	Communication	MA, Missouri State University (2007)
Sparkman	Teresa E	Communication	MA, Missouri State University (1982)
St. Pierre	L. Grace	Music	DMA, University of Missouri (1999)
Stanton	Timothy D.	Agriculture	BS, University of Missouri (1979)
Starnes	David	Theatre and Dance	MA, Missouri State University (2011)
Sterner	Eric R.	Defense and Strategic Studies	MA, George Washington University (2000)
Stockburger	David	Psychology	PhD, Ohio State University (1975)
Stokes	Caleb B	English	MA, Missouri State University (2009)
Stoops	Jennifer	Modern and Classical Languages	MA, Missouri State University (2013)
Stoops	Jennifer L.	English	BS, Missouri State University (2005)
Stout	Kristen A	Communication	MA, Missouri State University (2012)
Stratton	Stratton W.	Computer Information Systems	MBA, Missouri State University (1993)
Strickler	John A.	Music	MM, University of North Texas (1998)
Stroud	Stephanie	Communication Sciences and Disorders	MS, Missouri State University (1999)
Stubbs	Sue A.	Music	MM, University of Missouri (1984)
Stulce	Tara	Biomedical Sciences	MPH, Missouri State University (2008)
Summers	A. Lawrence	Management	ABD, University of Missouri-Columbia (2005)
Sutliff	Jackson C.	English	MA, Missouri State University (2011)
Taylor	Amanda C.	Music	MM, Webster University (1991)
Taylor	Andrea	Philosophy	MA, University of Oklahoma (2006)
Teeter	Bethany K.	Criminology and Criminal Justice	MS, Oklahoma City University (1998)
Teghtmyer	Nicole J.	English	MA, Missouri State University (2011)
Thomas	Michael	Kinesiology	MS, University of Central Missouri (2001)
Thompson	Julie	Counseling, Leadership, & Special Education	PhD, University of Missouri (2010)
Thornsberry	Jeanette	Communication Sciences and Disorders	MA, Missouri State University (1991)
Tice	David	Mathematics	BS, Sacramento State University, CA (1970)
Tintocalis	Stacy M.	English	PhD, University of Missouri (2005)
Trachtenberg	David J.	Defense and Strategic Studies	MS, Georgetown University (1980)
Trobisch	Stephen	Modern and Classical Languages	PhD, University of Vienna, Austria (1988)
Turner	Mary	Social Work	MSW, Newman University (2003)
Turner	Melissa	Management	MA, Ottawa University, KS (1997)
Turner	Valerie K.	English	MA, Missouri State University (1988)
Turpin	Barbara	Psychology	PhD, Ohio State University (1981)
Tyrrell	Gary	Geography, Geology, and Planning	PhD, Arkansas State University (2002)

Missouri State University Per Course Faculty**Reported by Colleges**

(as of August 1, 2013)

Last Name	First Name	Academic Department/School	Highest Degree Earned
Udermann	Joshua	Kinesiology	MS, Missouri State University (2011)
Valentine	Kathrene	Psychology	MS, Missouri State University (2013)
vanBebber	David G.	Communication	MA, Missouri State University (2012)
Varava	Kira	Communication	PhD, University of Illinois at Urbana-Champaign (2009)
Viele	Brian	Geography, Geology, and Planning	BS, Missouri State University (1992)
Walker	Jeffrey M.	Fashion and Interior Design	MBA, Webster University (2013)
Wallace	J Dane'	Modern and Classical Languages	MA, Missouri State University (2006)
Wallace	Leigh	Art and Design	MFA, Wichita State University, KS (1996)
Wallenburg	Roger D.	Finance and General Business	MBA, Missouri State University (2003)
Walton	Peggy I.	Communication	MA, Missouri State University (2010)
Warren	Tana	Psychology	MS, Missouri State University (1999)
Wear	Shelia A.	Agriculture	BS, Missouri State University (1993)
Weiss	Janet	Physical Therapy	DHS, University of Indianapolis (2010)
Wei (Weiss)	Andreas	Religious Studies	Mag., University of Salzburg, Austria (2010)
Wells	Jeffrey D.	Fashion and Interior Design	MS, Kansas State University (2005)
White	Janice L.	Fashion and Interior Design	MEd, Missouri State University (1995)
Whittaker	Lyle D.	Agriculture	BSEd, Missouri State University (1990)
Wiggins	Jon H.	Agriculture	EdD, University of Arkansas (1978)
Wilhelm	Paula	Management	MS, Missouri State University (2001)
Wilhelm	Paula M.	Communication	MS, Missouri State University (2003)
Williams	Nancy	Geography, Geology, and Planning	MS, University of North Carolina at Chapel Hill (1986)
Williams	Paul F.	Criminology and Criminal Justice	MS, Northeastern State University, OK (1986)
Wilson	Douglas	Art and Design	BFA, Missouri State University (2005)
Wilson	Judith A.	Greenwood Laboratory School	MA, Missouri State University (1977)
Winkler	Danny E.	Computer Information Systems	MBA, Missouri State University (2004)
Wyrick	Thomas L.	Economics	PhD, Virginia Polytechnic Institute (1979)
Younger	A. Steven	Physics, Astronomy, and Materials Science	PhD, University of Utah (1996)

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](#). Students are encouraged to consult with their academic advisor or the Office of the Registrar if they have questions regarding any of the Academic Policies. **Note:** these policies may change from year to year and such changes apply to *all* future, current, continuing, and returning students.

Components of a degree program

- 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. All bachelor's degree candidates must satisfy the General Education Program Requirements.
- A major is the student's primary area of specialization. Majors are noted on the transcript and diploma. 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 that has options must choose from one of the options (i.e., options are not optional.) Options are noted on the transcript but are not printed on the diploma.
- A minor is the student's secondary area of specialization. Minors are required for all non-comprehensive majors for the Bachelor of Arts and Bachelor of Science degrees and are optional for all other degrees. Minors are noted on the transcript but are not printed on the diploma.
- The [General Baccalaureate Policies and Degree Requirements](#) include such requirements as total hours, upper-division, GPA, and residence requirements. All bachelor's degree candidates must satisfy the General Baccalaureate Degree Policies and Requirements.
- All Bachelor of Arts degree candidates must complete a [27-hour core of liberal arts courses](#).
- All Bachelor of Science in Education and Bachelor of Music Education degree candidates must satisfy all [Teacher Education Program](#) requirements.
- A degree is awarded when all requirements have been satisfied. The type of degree (e.g., Bachelor of Science, Bachelor of Social Work) is noted on the transcript and diploma.

Degrees offered

- Bachelor of Applied Science (BAS) degree provides students who have earned an associates degree the opportunity to complete a bachelor's degree and to enhance and expand their general education and technical core competencies.
- Bachelor of Arts (BA) degree denotes a broad background in the liberal arts.
- Bachelor of Fine Arts (BFA) degree encourages the acquisition and display of talent in the arts and is typically pursued by individuals interested in the creative and fine arts.
- Bachelor of Music (BMus) degree prepares a student for graduate study, for a career as a performing artist, and/or for a career as a private teacher in the field of music.
- Bachelor of Music Education (BME) degree provides a training program for music teachers.
- Bachelor of Science (BS) degree permits a high degree of specialization in the student's chosen field.
- Bachelor of Science in Athletic Training (BSAT) degree permits a high degree of specialization in Athletic Training.
- Bachelor of Science in Education (BSEd) degree provides a training program for teachers.
- Bachelor of Science in Nursing (BSN) prepares registered nurses for increased professional responsibilities and leadership roles in health care.
- Bachelor of Social Work (BSW) degree prepares students for beginning generalist social work practice in the human-service field.

Academic Policies and Procedures

- [Academic Integrity Procedures Summary](#)
- [Academic Renewal](#)
- [Academic Status](#)
- [Accelerated Master's Program \(Mixed Credit\)](#)
- [Adding and Dropping Classes \(and Withdrawing\). Procedures for](#)
- [Address](#)
- [Assessment Program](#)
- [Attendance Policy](#)
- [Auditing a Course](#)
- [Certificate, University](#)
- [Change of Schedule \(Add/Drop\)](#)
- [Class Disruption](#)
- [Classification](#)
- [Commencement](#)
- [Confidentiality of Student Records \(FERPA\)](#)
- [Credit by Examination](#)
- [Credit Hours and Semester System](#)
- [Dean's List](#)
- [Declaring or Changing a Major](#)
- [Degree Audits](#)
- [Degree Program](#)
- [Diploma](#)
- [Dual Enrollment](#)
- [Enrollment Status/Reduced Course Load Policy](#)
- [FERPA Policy](#)
- [Final Examination Period](#)
- [Grade Appeals and Academic Grievances](#)
- [Grade Point Average](#)
- [Grade Reports](#)
- [Grading and the Credit Point System](#)
- [Graduation](#)
- [Holds](#)
- [Incomplete Grade](#)
- [Instructor Drop](#)
- [Intersession](#)
- [Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders. Policy for](#)
- [Name Change](#)
- [Overload Permission](#)
- [Pass/Not Pass Regulations](#)
- [Prerequisites](#)
- [Registration](#)
- [Repeat Policy](#)
- [Scholastic Honors](#)
- [Senior Permission for Graduate Credit](#)
- [Transcript](#)
- [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."

"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. Obtain an Academic Renewal Request form from the Office of the Registrar, Carrington Hall 320, or the Office of Academic Assistance, University Hall 122.
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. The signature of the student's academic advisor is required on the form.
4. The completed form must be taken to the Office of Academic Assistance, University Hall 122. Upon approval of the Associate Provost, the form will then be forwarded to the Office of the Registrar.

For questions, please contact the Office of Academic Assistance, University Hall 122, (417) 836-5034.

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 is effective for the fall 2010 semester and future semesters and 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. Additionally, a student who earns a semester GPA less than 1.00 and, as a result, has an 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.*

Accelerated Masters Program

Op3.04-4 Accelerated Masters Program

Students admitted into an approved Accelerated Masters Degree Program may have a limited number of 600-level or higher courses counted toward both the undergraduate and graduate degree. Before enrolling in a course to be counted as both undergraduate and graduate credit (mixed credit), an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, department head of the undergraduate program, and 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). A maximum of 12 credit hours may be taken as Mixed Credit, but many programs have lower limits. See "Graduate College" section of catalog for further information.

Procedures for Adding and Dropping Classes (and Withdrawing)

Procedures for adding a class or changing sections

If student does not have any holds that block registration, they may add a class or make a section change online through the My Missouri State system or in person at the Office of the Registrar, Carrington Hall, room 320, with appropriate identification. University athletes must process all registrations and change of schedules in the Achievement Center for Intercollegiate Athletics, Forsythe Athletics Center, room 239.

If a student has a hold which prevents using the web registration system, the hold will need to be cleared before initial registration can take place by contacting the appropriate office. Students who need to process a change of schedule can visit the Office of the Registrar in person, fax a signed registration form, or send an email to registrar@missouristate.edu from their University email account.

If permission is required as a course prerequisite, that permission must be granted by the department before the class can be added.

After the stated deadline to add a class, 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, obtain a "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

Students may withdraw from one or more of their classes online or in person at the Office of the Registrar (Carrington 320 or by fax to 417-836-8776). Students who drop *all* their classes for a given semester who wish to return within an academic year do not need to apply for readmission. The date each drop is completed shall be the date used in determining the refund of fees and the assignment of grades. Drops are not allowed after the last day to drop deadline for the course. Refer to the "[Academic Calendar](#)" for specific deadline dates. University athletes must process all registration and change of schedules in the Achievement Center for Intercollegiate Athletics, Forsythe Athletics Center, room 239.

Students who have a hold which prevents using the web registration system can drop the class or classes by contacting the Office of the Registrar in person, faxing a signed registration form to 417-836-6334, or sending an email to registrar@missouristate.edu from their University email account.

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.

Procedures for dropping *all* classes

[Link to Request for Withdrawal form to drop all classes](#) (PDF)

The following is important information for students who withdraw from all of their classes during a semester:

Financial Aid. Recipients of financial aid, scholarships, or short-term loans for payment of fees or expenses for the semester of the drop(s) must be approved by the Financial Aid Office before they will be allowed to complete the drop process. Such students may also be required to participate in an exit interview.

Grades. Assignment of grades for withdrawing students are made on the basis of current grading policies detailed in the "Change of Schedule" section of this catalog. Deadlines are available at <http://calendar.missouristate.edu/>.

Meal Plans. Contact the Dining Services Office, Plaster Student Union 213, 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, 700 E. Elm, by students who wish to receive a refund of the parking permit fee. Full refunds are issued for drops processed through the second week of the semester, 50 percent refunds are issued for drops processed from the third through the ninth weeks of the semester, and no refunds are issued after the ninth week.

Refunds. Refunds are credited to a student's account according to the policy indicated in the "Costs and fees" section of this catalog. Refunds will be issued by the Financial Services Office approximately four to six weeks following the drop(s). Prior to issuing a refund check, the office will deduct any outstanding financial obligation to the University from the refund amount. Refunds will be mailed to the permanent address of the student on file at the time the refund is issued. If a student withdraws from the University with outstanding financial obligations, the student's transcript will not be released and the student will not be permitted to enroll for a future semester until the obligation is satisfied. For questions concerning financial obligations, please contact the Financial Services Office, Carrington Hall 113.

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 Services Office, Carrington Hall 314.

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, Plaster Student Union room 128, (417) 836-8409. This form will cancel the account and authorize a refund of the account balance.

Address

Op3.04-5 Address

Students shall verify that their addresses are correct at the time of registration either online or by reporting address changes to the Office of the Registrar.

The local address is generally used to contact students when classes are in session. The permanent address is used on billings, refunds and other items sent while classes may not be in session. The local and permanent address may be the same. Students are required to have a street address/PO Box number, city, state, and ZIP on the local and permanent addresses.

Change of a permanent address does not affect a student's residency status for fee purposes. If a change of residency is appropriate, the proper forms must be completed in the Office of Admissions, Carrington Hall 204.

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 Center for 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; or (3) 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.

¹The 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 send a memo directing 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.

University Certificate

Op3.04-9 Certificate, University

The certificate is mailed to student's approximately three weeks after the end of the semester of completion. A hold will prevent the release of a student's transcript and certificate. The name used is the name provided by the student on the Notification of Completion form. The certificate lists the level (undergraduate or graduate) and the name of the program of study.

Duplicate certificates may be ordered by sending a written request and a check or money order in the amount of \$20 payable to Missouri State to the Office of the Registrar, ATTN: Degree Check Staff, Missouri State University, 901 S. National Ave, Springfield, MO 65897. The written request must include the student's name, student identification number, date of completion, mailing address, daytime phone number, signature, and exactly how the name is to be printed on the 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 (first five days of fall or spring semesters; first two days of summer session). 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, this deadline shall be set at the three-fourths mark of that class. A "W" grade indicates the student withdrew from 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 web registration system can drop the class or classes by contacting the Office of the Registrar in person, faxing a signed [registration form](#) to 417-836-6334, or sending an email to registrar@missouristate.edu from their University email account.

Students are expected to complete the courses for which they register. Failure to properly drop from 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

A section change is considered a drop and an add, and is treated as such in determining the refund or credit to be granted.

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 which significantly interferes with their ability to meet their academic commitments (e.g., personal medical condition, catastrophic loss). 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 full semester classes as specified on the academic calendar.

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 all their dropped courses and will be considered 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.

Exceptions

To request an exception to the drop policy, submit a letter of explanation and supporting documentation as listed above to either the Dean of Student's Office or Office of the Registrar.

Dean of Students
Plaster Student Union 405
417-836-5527
DeanofStudentsOffice@missouristate.edu

Office of the Registrar
Carrington 320
417-836-5520
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. Students are expected to master the course content in compliance with the syllabus of the course instructor. 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 academic regulations under "Grade Re-evaluation Based on Performance."

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 postbaccalaureate (nondegree seeking).

Commencement

Op3.04-13 Commencement

Students who wish to participate in commencement ceremonies must do so in their semester of graduation. Students who cannot do this may apply through the Office of the Registrar, Carrington Hall 320, to participate in a subsequent commencement ceremony. 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 our web site at www.missouristate.edu/commencement.

Notification of Student Rights

Op5.11-1 Notification of Student Rights

FERPA Policy Updates Effective February 20, 2009

An updated version of the University's FERPA policy ("Notification of Student Rights") has been approved by the Board of Governors effective February 20, 2009. The primary change is listed below:

- The *Privacy Hold* option to prevent release of a student's name, address, telephone number, and e-mail address has been discontinued. Only a *FERPA Hold* option will be available to students in Banner.

Notification of Student Rights under Family Educational Rights and Privacy Act (FERPA)

Missouri State University adheres to a policy of compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA). 20 U.S.C. 1232g. 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.

Definitions

A student is an individual with respect to whom the university maintains education records or personally identifiable information and who is or who has been in attendance at the University. A student does not include a person who has not been in attendance.

In attendance means a student is officially registered for at least one class and that class has started.

Directory information may appear in public documents and may otherwise be disclosed by the University for any purpose in its discretion, without the student's consent. The following categories of information have been designated as directory information at Missouri State University:

- Name
- Address*
- Telephone number*
- Campus email address
- Field of study, including majors, minors, certifications, and pre-professional areas of study
- Classification (e.g. sophomore)
- Enrollment status (full-time, part-time, or less than part-time)
- Participation in officially recognized activities and sports, including photographs of athletes
- Dates of attendance, including matriculation, drop, and withdrawal dates
- Degrees and certificates received including date awarded
- Awards received, including Dean's list, scholastic honors, departmental honors, memberships in national honor societies, athletic letters, and University-funded scholarships (excluding those that are need-based)
- Previous education institutions attended

* The University maintains a number of different address and telephone types for students. Three (residence hall, current mailing, and primary/permanent) are considered directory information. General requests for student addresses (e.g., requests for an "address directory of current students") will be fulfilled by providing one address for each student based on availability according to the following hierarchy: (1) residence hall; (2) current mailing, and (3) primary/permanent. General requests for student telephone numbers will be generated in similar fashion.

All non-University contact information provided for purposes of the emergency notification system is not considered directory information. Cell phone numbers, unless provided as a residence hall, current, or primary/permanent telephone number, are not considered directory information.

Education records include those records which contain information directly related to a student and which are maintained by the University or by a person acting for the University. In accordance with 34 C.F.R 99.3, the following are *not* education records: records kept in the sole possession of the maker, law enforcement records, student employment records, medical records, and alumni records.

A FERPA hold may be requested by currently enrolled students. This non-disclosure option means that the University may not release any directory information about the student (except as permitted under the provisions of FERPA). The University may not even acknowledge to third parties that the person is a student at the institution.

A request to only exclude information from the online directory and printed directory may be completed by currently enrolled students at <http://search.missouristate.edu/hide/>. (To be removed from anything other than the online people search or printed directory, including the Outlook Address Book, a FERPA hold must be completed.) In order to be excluded from the printed directory this request must be completed before the printing of the directory, which takes place approximately two weeks after the beginning of each fall semester. Following the printing of the directory, submitting the request will exclude students only from the online directory and not the printed directory.

Legitimate educational interest is the need to review an education record in order for a university official to carry out his or her responsibilities in order to: perform an administrative task outlined in the official's duties; perform a supervisory or instructional task directly related to the student's education; or perform service or benefit for the student such as health care, job placement, or financial aid.

A **university official** is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff). Also considered university officials are members of the Board of Governors, a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent), temporary employees, student workers, and graduate assistants employed by the university.

Records Inspection

A student has a right to inspect and review any education record to which he or she is permitted under this policy. Education records are maintained in a number of University offices. Requests to review records must be made in writing to the responsible official of each office which maintains the records (or to the University Registrar) who shall comply with a request within 45 days upon receipt. When a record contains personally identifiable information about more than one student, a student may inspect only that information which relates to him/her.

The University reserves the right to refuse to permit a student to inspect the following records:

- Financial records of the student's parents
- Confidential letters and statements of recommendation for which the student has waived his or her right of inspection and review
- Records connected with an application to attend the University or a component unit of the University if that application was denied
- Those records which are excluded from the FERPA definition of education records

Right to Limit Disclosure of Directory Information

The University will give annual public notice to students of the categories of information designated as directory information. Currently-enrolled students have the right to suppress disclosure of their directory information by requesting a FERPA Hold. This hold does not apply retroactively to previous releases of directory information and will remain applicable until the student submits a written request specifying otherwise.

To request a FERPA Hold, students must submit a written request to the Office of the Registrar, Carrington Hall, Room 320. Students who do not wish for their information to appear in the printed directory must notify the Office of the Registrar by no later than the second week of classes during the fall semester. Requests made after the second week of the fall semester will result in the student information being removed from the web directory only.

Consent to Disclosure of Personally Identifiable Information

The University will not release personally identifiable information in education records or allow access to those records except to the extent that FERPA authorizes disclosure without consent, including but not limited to the following:

- The individual student
- Whomever the student authorizes by providing the institution with a written release (release must be written, signed and dated, and must specify the records to be disclosed and the identity of the recipient)
- Any party requesting directory information (unless the student has a FERPA hold)
- University officials of Missouri State University who have a legitimate educational interest
- Officials of other schools in which a student seeks or intends to enroll or is enrolled
- Parents if parents claim the student as a dependent for tax purposes. The University will exercise this option only on the condition that evidence of such dependency is furnished to the Office of the Registrar and all requests for disclosures are referred to that office
- Persons in connection with a health or safety emergency
- An alleged victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense in connection with a Disciplinary Proceeding
- Parents regarding alcohol and drug violations of a student under 21 years of age
- As otherwise provided in 20 U.S.C. 1232g(b) and 34 CFR Sec. 99.31

Request to Amend Records

A student who believes that information contained in his/her education is inaccurate, misleading or violates privacy or other rights may request that the records be amended. The responsible official shall then decide whether or not to amend the record. If the record is not amended, the student will be advised of his/her right to a hearing.

Challenge Hearing

In most cases, the decision of the responsible official will be final. However, a student may elect to file an appeal in writing to the Registrar in order to challenge the content of the educational record. (The right to challenge grades does not apply unless the grade assigned was inaccurately recorded, under which condition the record will be corrected.) A disinterested hearing officer will be appointed who shall afford the student full opportunity to present evidence in support of the challenge. The hearing shall be held within a reasonable period of time, not to exceed thirty (30) days under normal circumstances, after the institution has received the request, and the student shall be given notice of the date, place and time reasonably in advance of the hearing. The student shall be afforded a full and fair opportunity to present evidence relevant to the issues, and may be assisted or represented by individuals of his or her choice at his or her own expense, including an attorney. The hearing officer shall render a decision within a reasonable time after the hearing, not to exceed thirty (30) days, and inform the student in writing of the outcome. The decision shall be based solely upon the evidence presented at the hearing and shall include a summary of the evidence and the

reasons for the decision. If the hearing officer decides that the record is not inaccurate, misleading or otherwise in violation of the privacy or other rights of the student, the student shall then have the right to place in the education record a statement commenting upon the information in the education record and/or setting forth any reasons for disagreeing with the decision of the hearing official. Any such written explanation then becomes a part of the education record. If the education records of the student or the contested portion thereof are disclosed to any party, the explanation shall also be disclosed to that party.

Right to File a Complaint

Students have the right to file a complaint with the U.S. Department of Education if they believe that the University has failed to comply with the requirements of FERPA. The complaint should be in writing and sent to: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-4605.

For Additional Information

A copy of FERPA is available on request in the Office of the Registrar. If you have any questions regarding this policy or if you feel that your rights under FERPA are being violated, please contact the Office of the Registrar at 320 Carrington Hall, 901 South National Avenue, Springfield, MO 65897 or call 417-836-5520.

Credit by Examination

Op3.04-14 Credit by Examination

Missouri State University recognizes four Credit By Examination programs: Advanced Placement (AP); College Level Examination Program (CLEP); International Baccalaureate Program (IB); and Missouri State departmental examinations. College credits earned through these programs may count toward degree requirements and allow qualified students to take advanced courses earlier in their college career. Credit by examination courses do not carry a letter grade and do not impact grade point average. Missouri State does not award credit in transfer for credit by examination granted by another institution. Students must request that original score reports be sent directly to the Office of Admissions to be considered for credit. The Missouri State Credit by Examination policy is subject to change. Please refer to the web site at: www.missouristate.edu/admissions/credbyexam.htm for the complete current policy including minimum scores required for credit.

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 early semester system in which the academic year is divided into two instructional semesters with each having approximately 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 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 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.

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.

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.

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 106. 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.

Fall 2009: Students must be admitted to a degree program before completing 60 credit hours or a hold will be placed on their record and they will not be allowed to register. Students are required to complete GEP 101 in their first semester. Students are strongly encouraged to complete: GEP 101/UHC 110, CIS/CSC 101 or CSC 111, COM 115, ENG 110, MTH 130 or higher, and KIN 100 within their first 30 hours, and are required to do so prior to earning 60 hours.

Note policy change effective for spring 2010 registrations: 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. Students are required to complete GEP 101 in their first semester. Students are strongly encouraged to complete: GEP 101/UHC 110, CIS/CSC 101 or CSC 111, COM 115, ENG 110, MTH 130 or higher, and KIN 100 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/minor.

Diploma

Op3.04-21 Diploma

The diploma is mailed to students approximately eight weeks after the end of the semester of graduation. A hold will prevent the release of a student's transcript and diploma. The name used is the name provided by the student on the Intent to Graduate Form.

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 will only receive one diploma listing all majors.

Reissued diplomas may be ordered by sending a written request and a check or money order payable to Missouri State University in the amount of \$20 to the Office of the Registrar, Missouri State University, 901 S. National, Springfield, MO 65897. The written request must include the graduate's name, BearPass Number, date of graduation, mailing address, daytime phone number, signature, and exactly how the name is to be printed on the diploma.

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

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

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.

Half-Time. Undergraduate students carrying 6-11 credit hours and graduate students carrying 5-8 credit hours during a fall or spring semester are considered half-time students. Undergraduate and graduate students carrying 3-5 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 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 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.

Notification of Student Rights

Op5.11-1 Notification of Student Rights

FERPA Policy Updates Effective February 20, 2009

An updated version of the University's FERPA policy ("Notification of Student Rights") has been approved by the Board of Governors effective February 20, 2009. The primary change is listed below:

- The *Privacy Hold* option to prevent release of a student's name, address, telephone number, and e-mail address has been discontinued. Only a *FERPA Hold* option will be available to students in Banner.

Notification of Student Rights under Family Educational Rights and Privacy Act (FERPA)

Missouri State University adheres to a policy of compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA). 20 U.S.C. 1232g. 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.

Definitions

A student is an individual with respect to whom the university maintains education records or personally identifiable information and who is or who has been in attendance at the University. A student does not include a person who has not been in attendance.

In attendance means a student is officially registered for at least one class and that class has started.

Directory information may appear in public documents and may otherwise be disclosed by the University for any purpose in its discretion, without the student's consent. The following categories of information have been designated as directory information at Missouri State University:

- Name
- Address*
- Telephone number*
- Campus email address
- Field of study, including majors, minors, certifications, and pre-professional areas of study
- Classification (e.g. sophomore)
- Enrollment status (full-time, part-time, or less than part-time)
- Participation in officially recognized activities and sports, including photographs of athletes
- Dates of attendance, including matriculation, drop, and withdrawal dates
- Degrees and certificates received including date awarded
- Awards received, including Dean's list, scholastic honors, departmental honors, memberships in national honor societies, athletic letters, and University-funded scholarships (excluding those that are need-based)
- Previous education institutions attended

* The University maintains a number of different address and telephone types for students. Three (residence hall, current mailing, and primary/permanent) are considered directory information. General requests for student addresses (e.g., requests for an "address directory of current students") will be fulfilled by providing one address for each student based on availability according to the following hierarchy: (1) residence hall; (2) current mailing, and (3) primary/permanent. General requests for student telephone numbers will be generated in similar fashion.

All non-University contact information provided for purposes of the emergency notification system is not considered directory information. Cell phone numbers, unless provided as a residence hall, current, or primary/permanent telephone number, are not considered directory information.

Education records include those records which contain information directly related to a student and which are maintained by the University or by a person acting for the University. In accordance with 34 C.F.R 99.3, the following are *not* education records: records kept in the sole possession of the maker, law enforcement records, student employment records, medical records, and alumni records.

A FERPA hold may be requested by currently enrolled students. This non-disclosure option means that the University may not release any directory information about the student (except as permitted under the provisions of FERPA). The University may not even acknowledge to third parties that the person is a student at the institution.

A request to only exclude information from the online directory and printed directory may be completed by currently enrolled students at <http://search.missouristate.edu/hide/>. (To be removed from anything other than the online people search or printed directory, including the Outlook Address Book, a FERPA hold must be completed.) In order to be excluded from the printed directory this request must be completed before the printing of the directory, which takes place approximately two weeks after the beginning of each fall semester. Following the printing of the directory, submitting the request will exclude students only from the online directory and not the printed directory.

Legitimate educational interest is the need to review an education record in order for a university official to carry out his or her responsibilities in order to: perform an administrative task outlined in the official's duties; perform a supervisory or instructional task directly related to the student's education; or perform service or benefit for the student such as health care, job placement, or financial aid.

A **university official** is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff). Also considered university officials are members of the Board of Governors, a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent), temporary employees, student workers, and graduate assistants employed by the university.

Records Inspection

A student has a right to inspect and review any education record to which he or she is permitted under this policy. Education records are maintained in a number of University offices. Requests to review records must be made in writing to the responsible official of each office which maintains the records (or to the University Registrar) who shall comply with a request within 45 days upon receipt. When a record contains personally identifiable information about more than one student, a student may inspect only that information which relates to him/her.

The University reserves the right to refuse to permit a student to inspect the following records:

- Financial records of the student's parents
- Confidential letters and statements of recommendation for which the student has waived his or her right of inspection and review
- Records connected with an application to attend the University or a component unit of the University if that application was denied
- Those records which are excluded from the FERPA definition of education records

Right to Limit Disclosure of Directory Information

The University will give annual public notice to students of the categories of information designated as directory information. Currently-enrolled students have the right to suppress disclosure of their directory information by requesting a FERPA Hold. This hold does not apply retroactively to previous releases of directory information and will remain applicable until the student submits a written request specifying otherwise.

To request a FERPA Hold, students must submit a written request to the Office of the Registrar, Carrington Hall, Room 320. Students who do not wish for their information to appear in the printed directory must notify the Office of the Registrar by no later than the second week of classes during the fall semester. Requests made after the second week of the fall semester will result in the student information being removed from the web directory only.

Consent to Disclosure of Personally Identifiable Information

The University will not release personally identifiable information in education records or allow access to those records except to the extent that FERPA authorizes disclosure without consent, including but not limited to the following:

- The individual student
- Whomever the student authorizes by providing the institution with a written release (release must be written, signed and dated, and must specify the records to be disclosed and the identity of the recipient)
- Any party requesting directory information (unless the student has a FERPA hold)
- University officials of Missouri State University who have a legitimate educational interest
- Officials of other schools in which a student seeks or intends to enroll or is enrolled
- Parents if parents claim the student as a dependent for tax purposes. The University will exercise this option only on the condition that evidence of such dependency is furnished to the Office of the Registrar and all requests for disclosures are referred to that office
- Persons in connection with a health or safety emergency
- An alleged victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense in connection with a Disciplinary Proceeding
- Parents regarding alcohol and drug violations of a student under 21 years of age
- As otherwise provided in 20 U.S.C. 1232g(b) and 34 CFR Sec. 99.31

Request to Amend Records

A student who believes that information contained in his/her education is inaccurate, misleading or violates privacy or other rights may request that the records be amended. The responsible official shall then decide whether or not to amend the record. If the record is not amended, the student will be advised of his/her right to a hearing.

Challenge Hearing

In most cases, the decision of the responsible official will be final. However, a student may elect to file an appeal in writing to the Registrar in order to challenge the content of the educational record. (The right to challenge grades does not apply unless the grade assigned was inaccurately recorded, under which condition the record will be corrected.) A disinterested hearing officer will be appointed who shall afford the student full opportunity to present evidence in support of the challenge. The hearing shall be held within a reasonable period of time, not to exceed thirty (30) days under normal circumstances, after the institution has received the request, and the student shall be given notice of the date, place and time reasonably in advance of the hearing. The student shall be afforded a full and fair opportunity to present evidence relevant to the issues, and may be assisted or represented by individuals of his or her choice at his or her own expense, including an attorney. The hearing officer shall render a decision within a reasonable time after the hearing, not to exceed thirty (30) days, and inform the student in writing of the outcome. The decision shall be based solely upon the evidence presented at the hearing and shall include a summary of the evidence and the

reasons for the decision. If the hearing officer decides that the record is not inaccurate, misleading or otherwise in violation of the privacy or other rights of the student, the student shall then have the right to place in the education record a statement commenting upon the information in the education record and/or setting forth any reasons for disagreeing with the decision of the hearing official. Any such written explanation then becomes a part of the education record. If the education records of the student or the contested portion thereof are disclosed to any party, the explanation shall also be disclosed to that party.

Right to File a Complaint

Students have the right to file a complaint with the U.S. Department of Education if they believe that the University has failed to comply with the requirements of FERPA. The complaint should be in writing and sent to: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-4605.

For Additional Information

A copy of FERPA is available on request in the Office of the Registrar. If you have any questions regarding this policy or if you feel that your rights under FERPA are being violated, please contact the Office of the Registrar at 320 Carrington Hall, 901 South National Avenue, Springfield, MO 65897 or call 417-836-5520.

Final Examination Period

Op3.04-25 Final Examination Period

A two-hour final examination period is scheduled for each course during the last week of the fall and spring semester. 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 must obtain written approval of the academic dean of their major and then of the instructor of the course in advance of the scheduled exam time.

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 postbaccalaureate 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.

Grade Reports

Op3.04-30 Grade Reports

Mid-semester and final grade reports are produced each semester and are available online. While every course is eligible for mid-semester grading, only 100- and 200-level courses are required to have mid semester grades posted.

Grading and the Credit Point System

Op3.04-31 Grading and the Credit Point System

Grades are awarded to indicate the quality of a student's work and are assigned as follows (point values per credit hour appear in parentheses). Transfer equivalent grades appear in the second set of parentheses.

A (4.00) (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.

A- (3.70) (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.

B+ (3.30) (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.

B (3.00) (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 course requirements (For undergraduate students: B = meritorious: For graduate students: B = adequate).

B- (2.70) (TB-): Good work. Achievement at a level just above that necessary to meet course requirements. Performance was notable.

C+ (2.30) (TC+): Slightly above satisfactory work. Achievement that meets the course requirements. Performance was slightly more than adequate.

C (2.00) (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).

C- (1.70) (TC-): Slightly below satisfactory work. Achievement that barely meets the course requirements. Performance has been slightly below satisfactory and was marginal in quality.

D+ (1.30) (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.

D (1.00) (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.

F (0.00) (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).

I (0.00): 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" regulations for more information.)

IP (0.00): In-Progress course.

NG (0.00): Grade Not Yet Available/Extended Course. Grade assigned for extended course which has not yet ended.

NP (0.00) (TT): Not Pass. Student did not pass the course under the Pass/Not Pass policy.

NR (0.00): Grade Not Yet Reported. Grade not submitted by instructor on time.

NV (0.00): No Value/Informational Entry. Administrative notation used to designate course with a no value grade, such as enrollment tracking course.

P (0.00) (TP): Pass. Student passed the course under the Pass/Not Pass system or received Credit by Examination.

V (0.00): Visitor. Student enrolled in and attended the course as an auditor. No hours or points assigned.

W (0.00): Withdrew (Prior to fall 2009 this grade was represented by an N). Student withdrew from course without academic penalty.

XF (0.00): Failure due to academic dishonesty.

XM (0.00): Academic Renewal Elected on MSU course. Grades and hours removed from GPA calculation.

XT (0.00): Academic Renewal Elected on transfer course. Grades and hours removed from transfer GPA calculation.

Z (0.00): 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. If a Z grade is not removed within four calendar years, it will become a "W".

Graduation

Op3.04-32 Graduation

All students must inform the University of their intent to graduate before or early in the semester of graduation. Students may submit their Intent to Graduate online through My Missouri State web site. For more information go to:

www.missouristate.edu/commencement.

Hold

Op3.04-23 Encumbrances/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. [A complete listing of hold code definitions and office contact information is available online.](#)

Incomplete Grade

Op3.04-33 Incomplete Grade

In each instance where an Incomplete (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. If a student needs to repeat a course or a significant portion of a course, a "W" or "F" should be assigned according to regulations governing the assignments of such grades. A "W" grade can only be assigned if the student has officially dropped the course within the semester deadlines.

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 to the appropriate grade earned. Any student (undergraduate or graduate) who re-enrolls 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 as of the end of the semester for which they have applied to graduate must remove 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.

Effective date

Updates approved by Administrative Council - July 16, 2012

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 is generally done only when the space is needed for another student.) A faculty member may not institute drop proceedings after the second week of class. **A student cannot drop a course merely by not attending classes.** 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.

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.

Name Change

Op3.04-35 Name Change

Students are required to provide their official legal name at the time of application and to process official name changes while enrolled, as appropriate. Name change requests for applicants, current, and former students must be submitted in writing to the Office of the Registrar and will require documentation of the change. Requests may be made in person, via fax, or by mail. Mailed requests should be sent to: the Office of the Registrar, Room 320 Carrington Hall, Missouri State University, 901 S. National, Springfield, MO 65897.

Documentation generally consists of new driver's license, official state ID card, Social Security card, certified copy of marriage license, court order, dissolution decree, current passport or official proof of identity certified by U.S. embassy abroad or by the appropriate foreign embassy in the United States. Other forms of documentation may be considered on a case-by-case basis. When academic records are maintained on microfilm, the student's name cannot be updated on the microfilm. Students who attended Missouri State University before 1985 have microfilm records. A [change of student information form](#) is available online.

Student name on diploma and university certificates

The student name listed on a diploma or certificate must match the official name on file at the University, with the following exceptions:

- option of first name or initial;
- option of middle name or initial;
- inclusion of former or maiden name(s); and
- inclusion of proper capitalization and accentuation of name.

Students indicate the desired diploma name on the Intent to Graduate form (undergraduate students) or Application for Graduation form (graduates students); and the certificate name on the Notification of Completion form. If you have any questions regarding changing your name, please contact the Office of the Registrar at 417-836-5520 or send an email to registrar@missouristate.edu.

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, Postbaccalaureate 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

Pass/Not Pass Regulations

Op3.04-37 Pass/Not Pass Regulations

The Pass/Not Pass 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.
2. Honors classes cannot be taken on a Pass/Not Pass basis.
3. The Pass/Not Pass option is not available 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.

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.

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. New students are informed of registration opportunities with admission materials. Mail and fax registration is available to evening and graduate students through the Adult Student Services, Missouri State Outreach.

Students who are in good academic standing and plan to return under the same classification may be able to register without applying for readmission. Students on academic probation will be required to have advisement prior to enrolling. Students indebted to the University are not permitted to register for any succeeding semester or summer term until the indebtedness has been paid.

Students are not permitted to attend classes unless they are officially enrolled in those classes. Students whose names do not appear on the instructor's official class list should contact the Office of the Registrar.

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 "Withdrawal Policies and Procedures" 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 2009-10 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 at the close of the semester immediately preceding their final semester of college work shall be honored at commencement ceremonies. The final eligibility of students for scholarship honors shall be determined on the basis of their credit hour totals and grade point average(s) at the end of the semester of graduation. 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.

Senior Permission for Graduate Credit

Op3.04-42 Senior Permission for Graduate Credit

Missouri State seniors and visiting degree-seeking seniors from another institution who are classified as non-degree seeking while at Missouri State, may be permitted to take 600-level or higher courses for graduate credit during the last two semesters of a baccalaureate program upon the recommendation of the head of the department in which the course is offered and approval of the Graduate College. To be eligible, students must have a GPA of at least 3.00 on the last 60 hours of undergraduate course work. Eligible 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. A maximum of 12 credit hours of graduate credit may be earned by Senior Permission. 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 contingent upon approval of the graduate program department head and the Dean of the Graduate College. Senior Permission forms are available in the Graduate College, Carrington Hall 306 and must be completed and submitted at the time of registration.

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 and is considered official when printed on safety paper and bears the University Seal. Such transcripts given directly to the student will be marked "Issued to Student".

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

Official transcripts will not be released for students who have a University hold in accordance with the current [encumbrances/hold policy](#). Students with a hold may view and print their unofficial transcript via the [My Missouri State](#) system or request an unofficial courtesy copy of their transcript in person from the Office of the Registrar. The University will not send (e.g., mail or fax) unofficial transcripts for students who have a hold.

The Office of the Registrar reserves the right to limit the number of transcript copies issued for a student in a given day. A transcript fee and fees for special requests (e.g., overnight delivery) will be charged in accordance with the current [Fee Schedule](#).

Entities affected by this policy

All entities contained in or under the direction of the Missouri State University system.

Procedures for Requesting a Transcript

Transfer Credit Policy

Op3.04-45 Transfer Credit Policy

Introduction

Missouri State University welcomes transfer students from other accredited colleges and universities 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 American Association of Community Colleges. Many of the principles of that statement are inherent to this policy. Please refer to the "General Baccalaureate Degree Policies and Requirements" section of this catalog for the transfer policy regarding the catalog of graduation.

Determination of transferability

Missouri State University awards credit in transfer for undergraduate courses completed at colleges and universities accredited by the following regional accrediting agencies:

- Middle States Association of Colleges and Schools
- Higher Learning Commission (North Central Association of Colleges and Schools)
- New England Association of Schools and Colleges
- Northwest Association of Schools and Colleges
- Southern Association of Colleges and Schools
- Western Association of Schools and Colleges

In addition, transfer credit is:

- awarded for regular academic courses taken at institutions accredited by the Association for Biblical Higher Education (ABHE). Mission, theology, doctrine, creation science, homiletics, and religious education courses are not accepted. A limited number of Bible courses (i.e., Old Testament, New Testament, Life of Christ, and Life of Paul) that are substantially similar to courses offered at Missouri State may be accepted. Education courses transfer only as general electives. 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.
- 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, National Association of Foreign Student Advisors, 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 must be approved on a course-by-course basis by the head of the department through which each similar course is offered and by the dean of the department's college. In the case of courses that may be applicable to general education requirements at Missouri State but that do not have specific equivalents, exceptions must be approved by the Associate Provost for Undergraduate Programs.
- *not* awarded for remedial courses.
- generally *not* awarded toward an undergraduate degree at Missouri State for courses taken for graduate credit at other institutions unless approved by the appropriate academic department head as described in the "Appeal of transferability or course equivalencies" section below.
- *not* awarded for courses in vocational-technical programs or programs not offered at Missouri State (e.g., fire science, dental hygiene, occupational therapy). An exception to this policy exists for students who have an Associate of Science or Associate of Applied Science degree and who wish to pursue a Bachelor of Applied Science (BAS) degree at Missouri State. Refer to the "Degrees/Programs and Requirements" section of this catalog for requirements for the BAS degree.
- awarded and posted to transcripts only for students who enroll at Missouri State subsequent to completing coursework at other institutions.

Graduate transfer credit

See the [Graduate Transfer Credit policy](#).

Determination of course equivalencies

Initial determinations of transfer credit equivalencies are made by the Missouri State 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 Missouri State course, transfer credit will be awarded for the Missouri State course. If substantial similarity does not exist, but the course is in a subject matter taught at Missouri State under a specific course prefix, elective credit will be awarded under that prefix (e.g., MTH electives for a mathematics course).

If the content of a course includes subject matter offered in more than one Missouri State 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 portion of the Missouri State general education requirement. 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 Missouri State).

Transfer equivalencies are based on current policies and generally reflect course numbers from the Missouri State catalog at the time the evaluation is conducted. Missouri State courses and course numbers are subject to change; thus, transfer equivalencies are subject to change as well. Missouri State maintains a transfer course equivalency website at www.missouristate.edu/transfer. Course equivalencies for most Missouri and many out-of-state institutions are included. Current Missouri State 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.

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 Missouri State (except credit for courses taken at non-accredited institutions, which must also be approved by the dean of the department's college). Students who wish to appeal the evaluation or transferability of a course may do so through the appropriate department head. 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). Department heads who wish to approve a revision to a student's transfer credit evaluation must submit a "Change/Preapproval of Transfer Credit Evaluation" form to the Admissions Office.

Students who have taken courses that do not have specific course equivalencies at Missouri State (i.e., do not fall under the authority of a department head) but that are substantially similar to courses in the general education program may appeal to have those courses applied to the general education program. Such appeals should be submitted to the Associate Provost for Undergraduate Education, who also serves as the Missouri State Articulation Officer. 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 Missouri State (e.g., if a three credit hour course at another institution is substantially similar in content to a four credit hour course at Missouri State), the student will be given transfer credit for the equivalent course at Missouri State 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 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.

Transfer grades and grade point averages are assigned on the basis of the Missouri State University 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 will be used. 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 Missouri State 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.

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

A student's grade point average at Missouri State is based only on courses completed at this institution. A transfer grade point average is carried as part of the student's total record. The Missouri State and transfer grade point average are combined into an overall grade point average to determine academic standing, eligibility for admission to certain programs, graduation and honors, as described in this catalog.

Repeating courses

As indicated in the repeat policy section of the catalog, the repeat policy is changing for the fall 2009 semester. For courses taken prior to fall 2009, students were only allowed to repeat courses in which they earned a grade of D or F. The second grade replaced the first grade in the calculation of grade point average. Beginning with courses taken during or after the fall 2009 semester, students may repeat any course with no limit on the number of repetitions. Only the final grade will be used in the calculation of the student's grade point average. These same policies will be applied to transfer credit based on when courses were taken.

Transfer of credit to professional programs

A maximum of thirty hours of transfer credit will be awarded to students in the Bachelor of Science in Nursing program who have completed RN training in a school of nursing at the time they are admitted to the program by the Department of Nursing. Similar policies exist for the transfer of credit for professional training in medical technology, radiography, and respiratory therapy for students in these programs, as described in this catalog.

Transfer of general education requirements

Missouri State 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. 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 Missouri State lower division general education requirements if they complete:

- an Associate of Arts (AA) degree; or,
- the Missouri 42-hour general education core. In accordance with statewide articulation agreement, the student is exempt from the Missouri State University 42-hour core.
- the designated general education program at the other institution, provided that the institution certifies the student's completion of that program.

Missouri State will also honor an AA degree from any regionally accredited college or university, including private institutions in Missouri and public and private institutions in other states. Students with an AA degree from such an institution will be exempt from the Missouri State lower division general education requirements. This is a policy of Missouri State and may not be recognized by other institutions to which a student may subsequently transfer. Students are not exempt from Missouri Constitution Study Requirement (Senate Bill No. 4) described in the fourth paragraph below.

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

Students who have a bachelor's degree from a college or university accredited by one of the regional accrediting agencies referenced above, and who wish to pursue an additional undergraduate degree will be exempt from all general education requirements at Missouri State but not the Constitution Study Requirement (Senate Bill No. 4). See following paragraph.

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 Missouri State. Such students are also not exempt from the Missouri Senate Bill No. 4, 1947 (Mo. Rev. St. Sec 170.011) requirement, which provides that students must be "given regular courses of instruction in the Constitution of the United States and the State of Missouri, and in American history including the study of American institutions." Students who have been awarded an Associate of Arts or bachelor's degree from a Missouri public college or university will be considered to have met this requirement. Other students who have had a course in American history or American government will meet this requirement with completion of PLS 103 at Missouri State. Students who have not had a course in either American history or American government will meet this requirement by completion of PLS 101.

Missouri 42-hour general education block

Students who are certified by a participating Missouri institution as having completed an approved 42-hour general education block will be considered as having fulfilled the Missouri State 42-hour general education block. To fulfill Missouri State general education requirements, such students will need to complete either HST 121 or HST 122 at Missouri State (unless they took an equivalent course at the other institution). Refer to the "General Education Program and Requirements" section of this catalog for further information.

Transfer of credit from two-year Institutions

Students are generally awarded only lower division credit for courses completed at two-year institutions (community and junior colleges). Departments seldom award upper division credit and typically do so only after the student has completed a validation examination or course at Missouri State.

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 Missouri State professional education courses required for the Bachelor of Science in Education degree. Such courses that are not approved by DESE may transfer as elective credit. Professional education courses are not accepted in transfer from non-Missouri two-year institutions.

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 Missouri State University course with respect to MoSTEP competencies, a PEU course code will be assigned to the community college course and used to substitute for the Missouri State University course in a given undergraduate education degree program.

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 Missouri State to receive a degree, as described in this 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 the credit by examination provisions referenced above.

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 Education 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. For both education and experience, credit will be awarded in those disciplines that are substantially similar to courses and programs offered by MSU.

Credit will also be given for most Defense Activity for Non-Traditional Education Support (DANTES) education programs. Veterans should file copies of their DANTES transcripts with the Missouri State Office of Admissions.

Students having additional courses on the Community College of the Air Force (CCAF), Army/American Council on Education Registry Transcript System (AARTS), or the Sailor/Marine/ACE Registry Transcript (SMART) transcript should request an official copy be sent directly to the Missouri State Office of Admissions for evaluation. Students who do not have any of the transcripts listed above should file copies of their service records (Form DD-214) with Missouri State Veteran Services.

Credit for correspondence courses

Credit is granted for correspondence courses taken through accredited colleges and universities according to the same guidelines described above. Students who wish to apply correspondence credit for educational methods courses toward a Bachelor of Science in Education degree must have written permission from the Dean of the College of Education.

Authority for policy and right of appeal

The Academic Council approved this policy in April 2001. The Office of Admissions has the primary responsibility for administration of the policy. 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 Missouri State University Articulation Officer (Associate Provost for Undergraduate Education). 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. A copy of this policy is available from the Office of Admissions, the Office of the Provost, or the Articulation Officer. The policy is subject to revision.

General Education Program and Requirements

General information

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 Deputy Provost.

The aim and goals of general education

The aim of general education

The aim of General Education at Missouri State University is to develop people capable of making thoughtful choices that lead to creative and productive lives and to responsible participation in society.

The goals for learning in general education

General Education is that portion of the curriculum in which the University directly addresses the knowledge, skills, habits, and dispositions of educated persons. General Education at Missouri State provides for learning that educated persons will use throughout their lives in their many roles and communities. To prepare students for a lifetime of important choices, General Education has at least the following goals for learning:

Part one: Intellectual abilities and dispositions

Improving our ability to make important choices involves attention to the intellectual skills, habits, and dispositions which help to guide such choices. General Education has as a goal of student learning the development of the following:

- A. Conceptual and Practical Understanding of Modes of Learning, Problem-Solving, and Creative Inquiry
- B. Information-Gathering, Reasoning, and Synthesizing Abilities
 - a. Skill in formulating questions and in setting goals for inquiry
 - b. Knowing how and when to make generalizations and value judgements
 - c. Skill in generating and evaluating observations and evidence
 - d. Skill in making deductive inferences
 - e. Ability to use relevant quantitative methods
- C. Reflective, Creative, and Critical Dispositions
 - a. Striving to be well-informed and open-minded
 - b. Looking for multiple possibilities and being able to deal with ambiguity
 - c. Striving to achieve one's best with persistence and imagination
 - d. Willingness to make choices and to evaluate those choices
 - e. Intellectual self-awareness: being conscious of one's own thinking process, including the cultural and social contexts of that thinking
- D. Communication Skills
 - a. Writing and speaking with clarity and precision for diverse audiences
 - b. Making use of computers and other technological tools
 - c. Interpreting and communicating visual information

Part two: Knowledge and understanding

Developing educated people requires intensive study in many areas of inquiry as well as interdisciplinary explorations. The process involves different modes of scholarly discourse and methods of inquiry that have evolved in various fields of study. General Education provides students with an opportunity to perceive ways of linking the various areas of inquiry; in this way they can make creative and responsible connections not only among all of their general education courses but also among major, minor, and elective courses as well as with co-curricular educational opportunities in the larger university community. The categories listed below should not be regarded as separate from one another but as interdependent areas of knowledge and understanding.

- A. Understanding of the Natural World: Study of the natural world provides an

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understanding of important principles and methodologies for making choices.

Such study includes the following:

- a. Knowledge of the physical universe, including its origin and the physical laws governing it
 - b. Knowledge of living systems, including their nature, organization, and evolution
 - c. Understanding the history and methods of scientific inquiry and alternative explanations of the natural world
 - d. Understanding the multiple influences on scientific inquiry and the consequences of science and technology
 - e. Understanding the ways human choices affect the earth and living systems and the responsibilities of individual citizens and communities to preserve global resources
- B. Understanding of Culture and Society: Informed choices require knowledge of what people have done and imagined, currently as well as historically. Choices are also tempered by knowledge of the social and cultural settings in which they are made or were made in the past. This learning includes the following:
- a. Knowledge of the many expressions of culture, including
 - i. understanding of the unique shared ways of thinking, believing, and acting, developed by a people who live together over a long period of time
 - ii. ability to conceptualize and trace the influences of community, institutions, and other constructions such as class, gender, and race
 - iii. familiarity with the ways in which culture is expressed artistically, through literature, performance, and artifact
 - iv. awareness of and appreciation for the ways in which culture and society influence and are influenced by work and leisure
 - b. Understanding the sources and expression of diverse values throughout the world, including ethical, religious, aesthetic, political, and economic values as well as social and cultural priorities
 - c. Ability to trace the impact of technology on societies and cultures for diverse audiences
 - d. Understanding the ways human choices affect communities, from local to global, and responsibilities of individuals to assume the duties of citizenship
 - e. Understanding the role of governmental regulation and of legal requirements, political processes, and financial and economic influences on decisions of individuals and society
- C. Self-Understanding: To make informed choices, one must understand the natural and the social context in which one lives and must heed the ancient injunction to "know thyself." That self-understanding depends on the following:
- a. Understanding the nature of our humanness and how human beings are like and different from the other beings with whom they share the planet
 - b. Knowledge of individual physical, emotional, intellectual, social and creative development as well as ability to use such knowledge to improve personal well-being
 - c. Knowledge of individual physical, emotional, intellectual, social, historical, spatial, and cultural matrices into which the individual is born; and the influence of the unique set of experiences which the individual encounters
 - d. Ability to perceive one's own being not only from cognitive perspectives but also from those perspectives which come from exposure to and creative vision of the arts—to imagine the possibilities the future holds and to develop responsible goals for interactions with others, modes of personal expression, and roles in improving the world.

General education program requirements (43-52 hours)

Every course in the program will promote a common set of General Education objectives. The major components are Basic Required Courses, Areas of Inquiry, and Public Affairs. 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 from Missouri State. General Education courses may not be taken on a Pass/Not Pass basis. Note: Most students will complete the General Education Program with 47 credit hours.

Students are strongly encouraged to complete their Basic Required Courses ([GEP 101/UHC 110](#), [CIS101/CSC 101](#) or [CSC 111](#), [COM 115](#), [ENG 110](#), [MTH 130](#) or [higher](#) and [KIN 100](#)) during their first 30 credit hours and must complete these courses before completing 75 credit hours.

Note: Many majors and degrees require specific General Education courses. Students should review specific major and/or degree requirements before enrolling in General Education courses.

A. Basic Required Courses (14-21 hours)

- a. First-Year Foundations, [GEP 101](#) (required of all entering students with less than 24 credit hours earned subsequent to high school graduation); or Freshman Honors Seminar, [UHC 110](#) (required for Honors College students) (0-2 hours)
- b. Computers for Learning: [CIS 101/CSC 101](#) or [CSC 111](#)* (0-3 hours)
- c. Public Speaking: [COM 115](#) (3 hours)
- d. Writing I: [ENG 110](#) ** (3 hours)
- e. Writing II: (3 hours) Select one of the following courses:
[AGR 320](#)(3) Writing II: Writing in the Applied Sciences
[ENG 210](#)(3) Writing II: Academic Writing
[ENG 221](#)(3) Writing II: Writing for the Professions
[ENG 310](#)(3) Writing II: Writing for Graduate and Professional Schools
[ENG 321](#)(3) Writing II: Beginning Technical Writing
[GLG 358](#)(3) Writing II: Reporting Geological Information
[HST 210](#)(3) Writing II: Historical Inquiry
[NUR 472](#)(3) Writing II: Nursing Research and Scholarly Writing
[KIN 310](#)(3) Writing II: Philosophical and Historical Issues in Physical Education, Recreation, and Sport
[THE 210](#)(3) Writing II: Writing for Theatre
- f. Mathematics: A [MTH course](#) numbered 130 or higher (3-5 hours)
- g. Health and Well-Being: [KIN 100](#)*** (2 hours)

**Students may take a proficiency examination to determine if they already possess the computer-related knowledge and skills comprising the Computers for Learning requirement. Those who pass this exam will be excused from, but will not receive credit for, the Computers for Learning requirement. Contact the Computers for Learning Office, Kings Street Annex, room 216, (417) 836-6120, for information or visit the website at: <http://learning.missouristate.edu/>*

*** An ACT English score of 19 or higher or an SAT English score of 451 or higher will meet the prerequisite for enrolling in ENG 110. Students with an ACT English score of 18 or lower or an SAT English score of 450 or lower must enroll in ENG 100. Students without ACT and SAT test scores can take a placement test that is periodically administered by the English Department. Contact the English Department, Pummill Hall, room 301, 417-836-5107 for more information.*

**** Students who transfer from accredited colleges with at least two hours of credit in health and well-being coursework may have completed the Health and Well-Being component upon approval from the Department Head of Health, Physical Education, and Recreation. Students who successfully complete Basic Training in any of the United States Military branches after December 31, 1997, will be awarded transfer credit for KIN 100. Refer to the [Transfer Credit Policy, Credit for Military Education and Experience](#) section of catalog for more detailed information.*

B. Areas of Inquiry (23-25 hours)

- a. **Natural World (8-10 hours):** Select courses from two of the following four areas. At least one of the selected courses must include the equivalent of at least one credit of laboratory work (indicated with *).

Astronomy or Physics:

- [AST 114](#)(4) Survey of Astronomy
- [AST 115](#)(4) Basic Astronomy*
- [PHY 100](#)(4) Survey of Physics with Laboratory*
- [PHY 101](#)(4) Physics by Inquiry for Educators*
- [PHY 123](#)(4) Introduction to Physics I*
- [PHY 203](#)(5) Foundations of Physics I*

Biology or Biomedical Sciences:

- [BIO 100](#)(4) Biological Science for Educators*
- [BIO 102](#)(4) Principles of Biological Science*
- [BIO 121](#)(4) General Biology I*
- [BMS 100](#)(4) Concepts and Issues in the Life Sciences

[BMS 105](#)(4) Concepts and Laboratory in the Life Sciences*

[BMS 110](#)(4) Introduction to the Biomedical Sciences*

Chemistry:

[CHM 105](#)(5) Fundamentals of Chemistry*

[CHM 106](#)(4) Fundamentals of Chemistry

[CHM 107](#)(4) Chemistry for the Citizen*

[CHM 160](#)(4) General Chemistry I

[CHM 160](#)(4) General Chemistry I and [CHM 161](#)(1) General Chemistry I Laboratory*

Geography or Geology:

[GLG 110](#)(4) Principles of Geology*

[GLG 171](#)(4) Environmental Geology

[GRY 135](#)(4) Principles of Weather and Climate*

[GRY 142](#)(4) Introductory Physical Geography*

- b. **Culture and Society (6 hours):** Note: Under the Culture and Society and Self-Understanding Areas of Inquiry, students must select one course from each of the five perspective areas with at least four different course codes (three-letter course prefixes).

Humanities Perspective (3 hours): Select one of the following courses:

[AAS 100](#)(3) Introduction to African American Studies

[ART 271](#)(3) History of Western Art I

[ART 272](#)(3) History of Western Art II

[ART 273](#)(3) Survey of the Art of Africa, Oceania, and the Americas

[ART 274](#)(3) Survey of Asian Art

[ENG 200](#)(3) Introduction to Literature

[HST 103](#)(3) World History to circa 1600 C.E.

[HST 104](#)(3) World History since 1600 C.E.

[IDS 397](#)(3) International Culture and Study Abroad

[LLT 121](#)(3) Classical Mythology

[MUS 345](#)(3) Music in Western Culture and Society I

[MUS 346](#)(3) Music in Western Culture and Society II

[PHI 115](#)(3) Ethics and Contemporary Issues

[REL 101](#)(3) The Literature and World of Old Testament

[REL 102](#)(3) The Literature and World of New Testament

[REL 131](#)(3) Religion in America

Social Sciences Perspective (3 hours): Select one of the following courses:

[AGR 100](#)(3) Technology's Impact on Society

[ANT 100](#)(3) World Cultures

[ECO 155](#)(3) Principles of Macroeconomics

[GRY 100](#)(3) World Regional Geography

[GRY 108](#)(3) Principles of Sustainability

[MED 120](#)(3) Mass Media and Society

[PLN 100](#)(3) Understanding Cities

[SOC 150](#)(3) Introduction to Society

- c. **Self-Understanding (9 hours):** Note: Under the Culture and Society and Self-Understanding Areas of Inquiry, students must select one course from each of the five perspective areas with at least four different course codes (three-letter course prefixes).

Social/Behavioral Perspective (3 hours): Select one of the following courses:

[ANT 125](#)(3) Exploring Our Human Ancestry

[CFD 155](#)(3) Principles of Human Development

[ENG 296](#)(3) Introduction to Linguistics

[GST 170](#)(3) Sex, Gender and Self

[PSY 101](#)(3) Psychology for Personal Growth

[PSY 121](#)(3) Introductory Psychology

Humanities Perspective (3 hours): Select one of the following courses:

[ART 200](#)(3) Art in Context

[ENG 287](#)(3) Life Stages in Literature

[ENG 380](#)(3) Introduction to Women's Literature

[LLT 180](#)(3) Hero and Quest

[MUS 239](#)(3) Introduction to World Music

[PHI 105](#)(3) Critical Thinking

[PHI 110](#)(3) Introduction to Philosophy

[REL 100](#)(3) Introduction to Religion

[REL 210](#)(3) Paths of World Religion

Creativity and Vision Perspective (3 hours): Select one of the following courses:

[DAN 180](#)(3) Introduction to the Dance
[ENG 203](#)(3) Creative Writing: Poetry
[ENG 205](#)(3) Creative Writing: Nonfiction
[ENG 215](#)(3) Creative Writing: Short Story
[MUS 241](#)(3) The Language of Music
[THE 101](#)(3) Introduction to Theatre and Drama Arts
[THE 109](#)(3) Performance Studies

C. Public Affairs/American Studies (6 hours):

- a. [HST 121](#)(3) Survey of the History of the United States to 1877 or [HST 122](#)(3) Survey of the History of the United States since 1877
- b. [PLS 101](#)(3) American Democracy and Citizenship.

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 hour).

42-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 42-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 42-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 42-hour block as equivalent to their own 42-hour 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.

Basic required courses

- A. Computers for Learning: CIS/CSC 101 or CSC 111 (2-3 hours)
- B. Public Speaking: COM 115 (3 hours)
- C. Writing I: ENG 110 (3 hours)
- D. Writing II (3 hours)
- E. Mathematics: a MTH course numbered 130 or higher (3-5 hours)
- F. Health and Well-Being: KIN 100 (2 hours)

Areas of inquiry

- A. Natural World (8-10 hours)
- B. Culture and Society/Humanities Perspective (3 hours)
- C. Culture and Society/Social Sciences Perspective (3 hours)
- D. Self-Understanding/Social/Behavioral Perspective (3 hours)
- E. Self-Understanding/Humanities Perspective (3 hours)
- F. Self-Understanding/Creativity and Vision Perspective (3 hours)

American studies

- A. American Democracy and Citizenship (3 hours)

General Baccalaureate Degree Policies and Requirements

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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

Students may pursue multiple majors and/or degrees at the same time. The first major will determine the students' department and dean for various administrative purposes.

Definition of multiple degree: A student who completes all requirements for two or more different degrees (e.g., Bachelor of Arts and Bachelor of Science) in the same semester will be awarded multiple degrees and will receive multiple diplomas.

Definition of multiple major: A student who completes all requirements for two or more majors under the same degree in the same semester will be awarded one degree and will receive one diploma. If one or both of the majors is non-comprehensive and requires a minor, the other major will fulfill this requirement.

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 so stated in the catalog.

Courses completed for graduate credit cannot be applied toward an undergraduate degree program, nor can courses taken for undergraduate credit be applied toward a graduate degree program.

Subsequent undergraduate degree

Definition of subsequent undergraduate degree: A student who returns or transfers to the University to obtain a subsequent undergraduate degree after being awarded the first degree.

General Education Requirements. Students whose first baccalaureate degree was from Missouri State or another regionally accredited college or university will be considered to have met all General Education requirements.

Major/Minor Requirements. Such students must satisfy all requirements for a major that is in a different field of study from any previously earned major. Any minor requirements are waived for students who have earned a Bachelor's degree from a regionally accredited college or university. If the student chooses to pursue a minor, however, that minor may not be in the same field of study as any previously earned major or minor.

Specific Degree Requirements and General Baccalaureate Degree Requirements. Such students must satisfy all specific degree requirements and all general baccalaureate degree requirements.

Teacher certification

A Bachelor of Science in 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.

Bachelors 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 degree 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.

Constitution study requirement

No student may graduate without complying with the state law known as Senate Bill No. 4, 1947 (Mo. Rev. St. Sec. 170.011), which provides that students must be "given regular courses of instruction in the Constitution of the United States and of the State of Missouri, and in American history including the study of American institutions."

Students may meet this requirement by completing the American Studies requirements under general education. Transfer students who have had a course in American government (PLS 101) that did not include a study of the Missouri constitution must enroll in PLS 103.

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 GPA on all courses attempted at Missouri State.
4. Attained at least a 2.00 GPA on all college courses attempted both at Missouri State and in transfer.
5. Attained at least a 2.00 GPA on all Missouri State and transfer courses used to meet the General Education requirements.
6. Attained at least a 2.00 GPA on all courses attempted at Missouri State that are required in the major and all other courses bearing the prefix of the major*.
7. Attained at least a 2.00 GPA on all courses attempted at Missouri State that are required in the minor and all other courses bearing the prefix of the minor*.

*Excluding those courses which are designated by the departments as not counting toward the major and/or 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 2.50 GPA on all courses attempted at all colleges attended.
2. Attain at least a 2.50 GPA in the certificate subject area (major field of study).
3. Attain at least a 2.50 GPA in any additional certificate subject area.
4. Attain at least a 2.50 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 GPA's higher than the above stated minimums for admission, graduation, or both. Such requirements are listed as a part of the major or minor requirements.

University exit exam

All students admitted into a baccalaureate degree program during or after the fall 1993 semester must complete a nationally normed test designed to assess basic academic knowledge and skills. Students must take this University Exit Exam prior to graduation and upon the completion of 90 or more credit hours. Completion of the University Exit Exam is tracked by student enrollment in GEN 499 (University Exit Exam). Each section of GEN 499 is tied to a date and time when the University Exit Exam is offered. If the student completes the exam, the student is awarded a "pass" grade. Students who take the exam but submit an answer sheet that is invalidated or incomplete will receive a "not pass" grade. If the student fails to complete the exam, the student is dropped from the corresponding section of GEN 499 by the assessment office and must register for another available section.

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 assessment office. Information regarding the University Exit Exam may be obtained online at <http://www.missouristate.edu/assessment/>.

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 as stated above should submit an appeal to the Degrees Committee. The [procedure for submitting an appeal](#) is maintained by the Office of the Provost.

Procedure for the University Exit Exam

In order to take the University Exit Exam, students must register for GEN 499 through the normal registration process. Following is the course description.

GEN 499 University Exit Examination

Prerequisite: senior standing.

All undergraduate, degree seeking students admitted into a degree program during the fall 1993 semester and beyond shall enroll in a section of GEN 499 to complete a nationally normed test designed to assess general academic skills including critical thinking, reading, writing, and mathematics abilities. The University Exit Exam should be taken following the completion

of 90 hours (senior year) and prior to graduation. Students who will be off campus during their senior year should make special arrangements to take the exam. There is no statute of limitation on the validity of the exam once it is completed. Additional information regarding this exam may be obtained online at <http://www.missouristate.edu/oir/UniversityExitExam.htm>. Completion graded as P (Passed).

Credit hours: 0 **Lecture contact hours:** 0 **Lab contact hours:** 0

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

Specific Bachelor of Arts Requirements

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

- A. **Language Requirement** (12 hours): Complete one of the following options:
- Option 1: Courses selected within the Department of Modern and Classical Languages. Consult with the MCL department regarding any exceptions or substitutions. There are two ways to satisfy this option: complete 12 hours in one language **or** complete two 6-hour segments in two different languages.
 - Option 2: American Sign Language (ASL) courses. Consult with the Department of Communication Sciences and Disorders regarding any exceptions or substitutions.
- B. **World History**, [HST 103](#) and [HST 104](#) (6 hours). Note: HST 103 or 104 or [PHI 115](#) will also count toward the General Education Culture and Society Humanities Perspective.
- C. **Philosophy Course** (3 hours). Note: [PHI 105](#) or [PHI 110](#) may also count toward the General Education Self-Understanding Humanities Perspective.
- D. **Fine Arts** (6 hours chosen from the following lists). **Note:** Courses used to meet Fine Arts requirement *cannot* be used to meet the General Education Program requirements. Refer to the department of major for any additional restrictions on double-counting of courses.
- Art: [ART 200](#), [271](#), [272](#), [273](#), [274](#), [374](#), [378](#), [381](#), [382](#), [385](#), [386](#), [387](#), [472](#), [474](#), [475](#), [478](#), [479](#), [480](#), [483](#), [484](#), [485](#)
 - Literature: [ENG 184](#), [200](#), [287](#), [312](#), [330](#), [334](#), [336](#), [338](#), [340](#), [341](#), [350](#), [351](#), [354](#), [355](#), [360](#), [361](#), [362](#), [363](#), [366](#), [380](#), [455](#), [485](#), [510](#), [512](#), [513](#), [514](#), [516](#), [517](#), [519](#), [533](#), [534](#), [536](#), [541](#), [543](#), [544](#), [546](#), [547](#), [548](#), [553](#), [557](#), [558](#), [559](#), [563](#), [568](#), [580](#), [583](#), [585](#)
 - Language/Literature and Modern and Classical Language Literature: [LLT 121](#), [180](#), [215](#), [225](#), [240](#), [271](#), [296](#), [321](#), [325](#), [326](#); [FRN 381](#), [335](#), [382](#), [412](#); [GRM 325](#), [400](#), [455](#), [465](#), [475](#), [485](#); [GRK 301](#), [302](#), [498](#); [LTN 450](#), [451](#), [460](#), [461](#), [470](#), [471](#); [SPN 450](#), [460](#)
 - Music: [MUS 239](#), [241](#), [345](#), [346](#)
 - Kinesiology: [KIN 240](#)
 - 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 are applicable to all students desiring teacher certification. These programs are overseen by the [Professional Education Unit \(PEU\)](#) with a Professional Education Committee (PEC) and numerous sub committees. 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 PEU, PEC, and the departments in administering the programs.

- **Professional Education Unit Head:** Associate Provost Chris Craig, PhD, Carrington Hall, room 209, (417) 836-5215
- **Interim Secondary Education Director:** Rebecca Woodard, PhD, McDonald Hall, room 116, (417) 836-5690
- **Educational Field Experiences and Clinical Practice Coordinator:** Kim Dubree, BS, Hill Hall, room 200, (417) 836-5253
- **Office of Student Services Director:** Scott K. Fiedler, MS, Hill Hall, room 200, (417) 836-8772
- **Office of Teacher Certification Compliance Coordinator:** Scott K. Fiedler, MS, Hill Hall, room 200, (417) 836-8772
- **Professional Education Advisement Center:** Hill Hall, room 202, (417) 836-5429
- **Secondary Professional Education Advisement:** Rebecca Woodard, PhD, McDonald Hall, room 116, call (417) 836-5690 for appointment. Also contact the individual departments for assignment to a program faculty advisor.

Teacher education program

The professional education programs have received continuing accreditation by the Missouri Department of Elementary and Secondary Education for purposes of 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. That participation is granted upon demonstration of a high level of academic and professional competence. Successful participation should result in the student's achieving certification to teach in Missouri public schools.

Postbaccalaureate teacher certification

Students who have already obtained a bachelor's degree and are seeking Missouri state teacher certification should contact the [Office of Teacher Certification](#), Hill Hall, room 200, (417) 836-8772. This office provides a program evaluation service for initial certificates (\$40 fee required), advisement and assistance to gain certification and/or additional endorsements.

Diversity component

Diversity coursework is required through General Education courses, professional and program specific courses, or elective courses. Please consult with your 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 and professional portfolio component

All students desiring Missouri certification are required to meet a series of Transition Points that includes as one of the criteria submission of a professional portfolio. This portfolio will be assessed, evaluated, and monitored throughout the teacher education program with assistance and guidance from faculty. There are five distinct Transition Points that the student meets from entry to their education program to follow up post graduate training. Students meet three distinct portfolio checkpoints during the first three Transition Points: 1) culmination of the designated course: ELE 410, SEC 302, SPE 310, MUS 200, or KIN 200; 2) at the designated methods course(s) for each departmental major; and 3) at the culmination of supervised teaching.

Transfer credit

To apply transfer credit in educational methods courses on a Bachelor of Science in Education degree, 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 (ELE 302, SEC 302, SPE 310, MUS 200, or KIN 200), the student must have:
 1. A valid ACT score on file if required by the University for admission purposes and/or Missouri Department of Elementary and Secondary Education and a combined (Missouri State and transfer) GPA of 2.50 or higher. Note: A 2.75 or higher combined GPA is required for Elementary Education majors.
 2. Completed EDC 150 or met equivalent competencies with a grade of "Pass" or better. Note: For Agriculture Education,

Early Childhood Education, Elementary Education, Music Education, and Physical Education majors, competency is covered in major requirements.

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

Note: The Department of Elementary and Secondary Education will require a FBI background check prior to issuing a certificate.

- 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. Application is automatically made when enrolling in SEC 302, ELE 302, SPE 310, MUS 200, or KIN 200. 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 ELE 302, SPE 310, or SEC 302).

The criteria used to determine admission or rejection 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. A combined (both Missouri State and transfer) GPA of 2.75 or higher.
2. Passed all sections of the Missouri State Board of Education entry examination and attained a minimum grade of "C" in COM 115. A student who fails to meet this criterion and who wishes to appeal may do so in writing. Such appeals shall be filed with the chairperson of the Professional Education Exceptions Committee.
3. Completed SEC 302, ELE 302, SPE 310, MUS 200, or KIN 200 with a grade of "C" or higher.
4. Passed portfolio first checkpoint (except for Early Childhood Education and Elementary Education majors)
5. A Family Care Safety Registry report on file

Note: A student's application for admission to the Program is considered by the Professional Education Committee when the requirements listed above are complete. A student's qualifications for continuance in the Teacher Education Program is subject to review and change by the Professional Education Committee 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
 2. A statement from the Director of Taylor Health and Wellness Center that a tuberculin test or chest x-ray has been completed and that the student has not been identified as infected with a communicable disease
 3. A combined (both Missouri State and transfer) GPA of 2.75 or higher for all college level coursework completed.
 4. Completed at least 15 hours, with a GPA of 2.50 or higher, at Missouri State.
 5. A combined (both Missouri State and transfer) GPA of 3.00 or higher in major.
 6. Passed portfolio second checkpoint
 7. "C" or better in all Professional Education courses.
 8. Current pre-professional liability insurance
 9. Been recommended by the student's advisor. The recommendation shall be based upon the applicant's character, personality, and potential for teaching.
 10. 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.
 11. Additional fees are assessed for supervised teaching. Refer to the [Costs and Fees website](#) for more information..
- 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 Bachelor of Science in Education or Bachelor of Music Education degrees at Missouri State.
 3. A combined (Missouri State and transfer) GPA of 2.75 or higher.
 4. Completed 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 and for each additional area of endorsement.
 6. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.
 7. Passed final portfolio requirement

Note: The Department of Elementary and Secondary Education will require a FBI background check prior to issuing a certificate.

Secondary Education

Bachelor of Science in Education (Certifiable grades 9-12 and K-12)

All students must be admitted to the Teacher Education Program and to Supervised Teaching in order to earn this degree. See application procedures at the beginning of this section of catalog.

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: at least a 2.50 GPA on all course work attempted at all colleges attended; at least a 2.50 GPA in the certificate subject area (major field of study in Social Science requires a 2.75 GPA) which includes all courses listed under C; at least a 2.50 GPA in any additional certificate subject area; at least a 2.50 GPA in the professional education courses; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades. Additional State Board of Education certification rules require passing scores on all portions of the College Basic Academic Subject Examination (CBASE) and successful completion of the appropriate Praxis II Examination Specialty Area Test with a score equal to Missouri's qualifying score.

The curriculum for secondary 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.

- A. General Education Requirements - see "[General Education Program](#)" section of catalog (43-51 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. Prerequisites for professional education courses are PSY 121; and CIS/CSC 101 or CSC 111 or Computers for Learning waiver exam.
 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 better
- 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 (Physical Education and Music 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 provide the preparation of Bachelor of Science in Education students and to meet the requirements for Missouri state teacher certification. Note: A grade of "C" or better in each course is required for state certification.
 1. Required Core (27-32 hours):
 - a. SEC 302(3)
 - b. PSY 360(3)
 - c. EDC 345(3), EDC 350(3)
 - d. SPE 340(2) 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(2)
 - f. Teaching Methods Course (3-4): courses are listed in the department section within the Professional Education section of the major.
Note: A teaching methods course is required for each area of certification.
 - g. Supervised Teaching (8-12): courses are listed in the department section within the Professional Education section of the major
 2. Additional required competencies or equivalent course(s) required for major
 - a. EDC 150(0) Note: For Agriculture Education, Music Education, and Physical Education majors, competency is covered in major requirements.
 - b. EDT 365(3) Note: For Agriculture Education, Mathematics, Music Education, Physical Education, and Technology Education majors, competency is covered in major requirements.
 - c. PSY/SFR 486(3) Note: For Mathematics, Music Education, Physical Education, and all science majors, competency is covered in major requirements.
- E. Most programs leading to teacher certification require more credits than the 125 University minimum for graduation. It is the student's responsibility to meet the degree requirements for the Bachelor of Science in Education-Secondary in specific subject area major areas. See the program requirements listed by departments offering each major.
- F. General Baccalaureate Degree Requirements - see "[General Baccalaureate Degree Requirements](#)" section of catalog

University Certificates

The University certificate programs are designed for those who want 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. Students completing these certificate programs will have that completion status reflected on their official transcript. Specific admission and program requirements are listed in the appropriate academic department section of the catalog. The following undergraduate certificate programs are currently offered:

- Conflict and Dispute Resolution (16 hours) [Department of Communication](#)
- Entrepreneurship (15 hours) [Department of Management](#)
- Geographic Information Sciences (18 hours) [Department of Geography, Geology, and Planning](#)
- Manufacturing Management (12 hours) [Department of Technology and Construction Management](#)
- 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. For more information on "alternate pathways" (e.g., Online, iCourses, Evening College Plus, off-campus, dual high school, interactive video, and summer classes) visit the [Missouri State Outreach website](#).

Traditional on-site instruction

On-site instruction involves faculty driving from the Springfield campus or faculty hired from the local community who teach classes in a face-to-face format. Classes or programs are offered at many high schools or branch locations throughout southwest Missouri. Classes and programs offered through traditional on-site instruction or BearNet at our branch office locations are listed below.

Technology-based delivery systems

The distance learning strategy involves two major delivery systems: Interactive Video (BearNet) and iCourses which can be downloaded from iTunesU.

Interactive video (BearNet)

Technology-based courses are offered via BearNet at the following sites.

- Cassville, MO – Crowder College campus
- El Reno, OK – Redlands Community College
- Joplin, MO – Joplin Extension Campus
- Lebanon, MO – Nelson Education Center
- Miami, OK – Northeastern Oklahoma A&M College
- Mountain Grove, MO – Missouri State University Mountain Grove Campus
- Neosho, MO – Crowder College campus
- Nevada, MO – Nevada Telecenter
- West Plains, MO – Missouri State University West Plains Campus

iCourses

Missouri State offers iCourses which fulfill general educational requirements with minimal or no physical classroom attendance required. iCourse lectures are available on iTunesU through the MSU website or can be purchased in CD-Rom sets which may be viewed on personal computers. iCourse content can be downloaded from a computer to any MP-3 player for portable listening and video pod viewing.

Precollege dual credit program

Missouri State Outreach coordinates the off-campus pre-college program for high school students. Through this program qualified high school students are able to receive both high school and college credit in specially approved courses offered at participating high schools.

Contact

Administrator

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Website

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Off-Campus Completion Programs

Missouri State brings quality instruction to students throughout southwest Missouri at various locations and in China. Faculty for these courses are regular Missouri State University faculty who commute from the Springfield Campus or who use the latest interactive video technology (BearNet), or are qualified instructors from the local community who have been approved by appropriate academic departments as having areas of special expertise.

BearNet allows a live classroom-to-classroom audio-video connection. Students are able to see and speak with students and instructors in BearNet interactive classrooms at other sites. The interactive classroom is designed to foster discussion and interaction, while limiting intrusion by technology. These classrooms are operational in Springfield, Joplin, Lebanon, Mountain Grove, Neosho, Nevada, and West Plains.

All Missouri State University policies regarding courses, programs, specialized academic program accreditations, academic regulations, and degree requirements are applicable, regardless of location. The following programs of study may be completed at the designated off-campus location:

Missouri State University China Campus – located on the campus of Liaoning Normal University, Dalian, China

- General Business (B.S.)

Missouri State University Joplin Graduate Center – located on the campus of Missouri Southern State University, Joplin, MO

- Elementary Education (M.S.Ed.)
- Master of Arts in Teaching (M.A.T.)
- Master of Business Administration (M.B.A.)
- Master of Social Work (M.S.W.)

Missouri State University West Plains Campus – located in West Plains, MO

- Child and Family Development (B.S.)
- Elementary Education (B.S.Ed.)
- General Agriculture (B.A.S)
- General Business (B.S.)

Personalized Minor (any degree)

A student whose educational objectives cannot be best served by existing minors within a department 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.

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, Kemper Hall, room 226, for details.

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. General information on health profession careers and academic preparation is provided by the Academic Advisement Center, University Hall, room 109. 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 Administration. 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 semester or year-long Study Away approved programs, 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.

Academic credit transfer

Students participating on approved Study Away programs are eligible to transfer credit back to Missouri State University. With the exception of short-term faculty-led programs and the Missouri London Program (MLP), all coursework must be pre-approved by the appropriate academic department head(s), and will transfer as pass/not pass.

Short-term faculty-led programs and MLP participants will be enrolled in Missouri State University courses and their coursework will transfer 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 over 70 different countries that run from one week up to a full academic year. The following section highlights some of Missouri State University's most popular study away program offerings. To find more information and other available options, students are encouraged to contact Study Away Programs.

Australia exchanges

The University participates in reciprocal student exchange programs with the University of Ballarat in Victoria, and the University of Tasmania in Hobart. These locations offer students a relaxed lifestyle with cosmopolitan cultural diversity and breathtaking natural environments. Ballarat is located in southeastern Australia near Melbourne. It is a modern university, but one with over 130 years of tradition. Hobart is the capital of the island of Tasmania and is Australia's second oldest city. Through these programs, students pay MSU in-state tuition and fees to study for a semester or a year. Both universities offer a diverse range coursework across the curriculum, with a strong focus in the sciences. Transfer of credit is arranged through the Study Away Programs office and financial aid may apply to the cost of tuition and fees.

France exchanges

The University participates in an exchange program with Blaise-Pascal University (BP). BP is located in the very center of France 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. It 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.

Another option for students with an interest in studying in France is enrollment at ESC-Rennes International Business School. This international school offers undergraduate and graduate classes taught in English, and is located in Rennes, France.

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. For more information, visit the [International Business Programs website](#).

International student exchange program

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 and 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. Because of the flexibility in location, degree field, and

Contact

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Website

<http://international.missouristate.edu/studyaway/>

languages offered, over 2,600 students worldwide participate in the ISEP program annually. Transfer of credit is arranged through the Study Away Programs office.

Magellan exchange

This exchange program, facilitated by MSU's International Business Programs office, 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 offer summer programs also. This exchange allows students to pay MSU tuition and fees.

Missouri London program

The University participates in the Missouri London Program (MLP), sponsored by the Missouri Consortium for International Programs and Studies. Through this program students live and study in London, England, and receive credit directly from Missouri State. Courses offered will vary from semester to semester and will be taught by participating faculty from each of the consortium institutions and by local professors. Classrooms are located at the Imperial College of the University of London. Frequent excursions inside and outside of the United Kingdom are a feature of this program.

Short-term faculty-led programs

Short-term faculty-led (1- to 8- week) programs offer opportunities for personal and intellectual growth that match those gained in traditional semester- or year-long study away programs. According to research conducted by the University of Delaware's Center for International Studies, students who have spent even three weeks studying in another country report a greater understanding and appreciation of other cultures and customs, a heightened awareness of their country's identity and place on the world stage, and a better idea of what is required to be a "global citizen." Over 50% of MSU's Study Away participants choose short-term programs. Missouri State professors offer a variety of options of these programs during the summer, between the spring and fall semesters, and during the winter intersession. Some of these programs are "total immersion" programs where students study with native speakers and live with host families. Previous Missouri State short-term faculty-led program destinations have included: Spain, Italy, England, Scotland, France, Belgium, Greece, Israel, Jordan, Ecuador, Jamaica, and Ghana. Current short-term faculty-led program offerings are found on the [Study Away Programs website](#).

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, or Zhengzhou. At these campuses, a variety of program offerings have been developed to address the diverse needs of students and their academic focus. All credits will transfer to Missouri State University. Information is available by visiting the [China Program website](#), contacting Tami Sutton at tamisutton@missouristate.edu or (417) 836-8501, or stopping by the office in Carrington Hall, Suite 210.

Colleges and Academic Units

Colleges

Missouri State has six academic colleges, one School of Agriculture and one Graduate College. These units comprise the overall structure of the University's academic programs.

[College of Arts and Letters](#)

[College of Humanities and Public Affairs](#)

[College of Business](#)

[College of Natural and Applied Sciences](#)

[College of Education](#)

[Graduate College](#)

[College of Health and Human Services](#)

[William H. Darr School of Agriculture](#)

Academic units

A

[Accountancy, School of](#)

[Area Studies Programs](#)

[Agriculture, William H. Darr School of](#)

[Art and Design Department](#)

B

[Biology Department](#)

[Biomedical Sciences Department](#)

C

[Chemistry Department](#)

[Computer Information Systems Department](#)

[Childhood Education and Family Studies Department](#)

[Computer Science Department](#)

[Communication Department](#)

[Counseling, Leadership and Special Education Department](#)

[Communication Sciences and Disorders Department](#)

[Criminology and Criminal Justice Department](#)

D

[Defense and Strategic Studies Department](#)

E

[Economics Department](#)

[English Department](#)

[Engineering Program](#)

F

[Fashion and Interior Design Department](#)

[Finance and General Business Department](#)

G

[Geography, Geology and Planning Department](#)

[Graduate College](#)

[Global Studies Program](#)

[Greenwood Laboratory School](#)

H

[History Department](#)

[Hospitality and Restaurant Administration Department](#)

[Honors College](#)

I

[Interdisciplinary Studies Program](#)

K

[Kinesiology Department](#)

L

[Library Science Department](#)

[Linguistics Program](#)

M

[Management Department](#)

[Military Science Department](#)

[Marketing Department](#)

[Modern and Classical Languages Department](#)

[Mathematics Department](#)

[Music Department](#)

[Media, Journalism & Film Department](#)

N

[Nursing Department](#)

P

[Philosophy Department](#)

[Political Science Department](#)

[Physical Therapy Department](#)

[Psychology Department](#)

[Physician Assistant Studies Department](#)

[Public Health Program](#)

[Physics, Astronomy and Materials Science Department](#)

R

[Reading, Foundations and Technology Department](#)

[Religious Studies Department](#)

S

[Social Work, School of](#)

[Sports Medicine and Athletic Training Department](#)

[Sociology and Anthropology Department](#)

T

[Technology and Construction Management Department](#)

[Theatre and Dance Department](#)

Majors and Minors Offered

Majors

Includes accelerated master's option

Degree codes are in parenthesis. See [degree abbreviations](#) below. [Skip down to minors.](#)

A

[Accounting](#) (BS)

[Agricultural Business](#) (BS) *Options: Agricultural Enterprise Management; Agricultural Finance and Management; Agricultural Marketing and Sales*

[Agriculture Education](#) (BSEd)

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

[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 Education](#) (BSEd)

[Art History](#) (BA) *Minor Required*

[Athletic Training](#) (BSAT)

B

[Biology](#) (BA, BS) *Minor Required. Options: Environmental Biology and Evolution; Microbiology and Biotechnology; Wildlife Biology*

[Biology Education](#) (BSEd) *Options: Categorical Science, Unified Science*

[Business Education](#) (BSEd)

C

[Cell and Molecular Biology](#) (BS)

[Chemistry](#) (BS) *Minor Required. Options: Biochemistry, Graduate School, Industrial*

[Chemistry Education](#) (BSEd) *Options: Categorical Science, Unified Science*

[Child and Family Development](#) (BS)

[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)

[Computer Information Systems](#) (BS)

[Computer Science](#) (BS) *Minor Required*

[Construction Management](#) (BS)

[Criminology](#) (BA, BS)

D

[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*

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

[Electronic Arts](#) (Media, Journalism & Film - BS) *Options: Audio Studies, Interactive New Media Studies, Video Studies*

[Elementary Education](#) (BSEd)

[English - Creative Writing Option](#) (BA)

[English - Literature Option](#) (BA)

[English Education](#) (BSEd)

[Entertainment Management](#) (BS)

[Entrepreneurship](#) (BS)

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

[Exercise and Movement Science](#) (BS) *Options: Health Studies,*

F

[Facility Management](#) (BS) Options: Healthcare, Hospitality, Industrial/Production, Property Management

[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

[French](#) (BA, BS) Minor Required

[French Education](#) (BSEd)

G

[General Agriculture](#) (BS, BAS) Options: Agricultural Communications, Agriculture

[General Business](#) (BS)

[Geography](#) (BA, BS) Minor Required. Options: Cultural and Regional Geography; Environmental and Natural Resources; Geotourism

[Geology](#) (BS) Minor Required

[Geospatial Sciences](#) (BS)

[German](#) (BA, BS) Minor Required

[German Education](#) (BSEd)

[Gerontology](#) (BS)

[Global Studies](#) (BA) Minor Required

H

[Health Services](#) (BS) Options in Clinical Services, Health Services

[History](#) (BA) Minor Required

[History Education](#) (BSEd)

[Hospitality and Restaurant Administration](#) (BAS, BS) Options: Club Management; Food and Beverage; General Operations; Lodging; Senior Living Management; Tourism

I

[Individualized Major](#) (BA, BS)

[Information Technology Service Management](#) (BS)

[Interior Design](#) (BS)

J

[Journalism](#) (BS) Minor Required. Options: Broadcast Journalism; Print and Internet Journalism

L

[Logistics and Supply Chain Management](#) (BS)

M

[Management](#) (BS) Options: Administrative Management, Human Resources Management, International Business Administration, Operations Management

[Marketing](#) (BS) Options: Advertising and Promotion; Marketing Management; Marketing Research; Sales/Sales Management

[Mass Media](#) (BA, BS) Minor Required. Options: Film Studies, Media Studies, Digital Film Production, Media Production

[Mathematics](#) (BS)

[Mathematics](#) (BA, BS) Minor Required. Options: Actuarial Mathematics, Applied Mathematics, General Mathematics, Statistics

[Mathematics Education](#) (BSEd)

[Middle School Education](#) (BSEd) Options: Language Arts and Social Sciences; Language Arts and Mathematics; Language Arts and Science; Mathematics and Science; Mathematics and Social Science; Science and Social Sciences

[Music](#) (BA) 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 \(completion program for registered nurses\)](#) (BSN)[Nursing \(generic 4-year program\)](#) (BSN)

P[Philosophy](#) (BA, BS) *Minor Required*[Planning](#) (BS) *Options: Community and Regional Planning; Tourism Planning and Development*[Physical Education](#) (BSEd)[Political Science](#) (BA, BS) *Minor Required*[Physics](#) (BS) *Options: Astronomy and Astrophysics; Engineering and Applied Physics; Graduate Prep Physics; Materials Physics*[Professional Writing](#) (BA, BS) *Minor Required*[Physics Education](#) (BSEd)[Psychology](#) (BA, BS) *Minor Required*[Public Relations](#) (BS) *Minor Required*

R[Radiography](#) (BS) *Options: Management, Science*[Respiratory Therapy](#) (BS) *Options: Management, Science*[Recreation, Sport and Park Administration](#) (BS) *Minor Required*[Risk Management and Insurance](#) (BS)[Religious Studies](#) (BA, BS) *Minor Required*

S[Socio-Political Communication](#) (BS)[Spanish Education](#) (BSEd)[Social Work](#) (BSW)[Special Education/Cross Categorical](#) (BSEd)[Sociology](#) (BA, BS) *Minor Required*[Speech and Theatre Education](#) (Communication - BSEd)[Spanish](#) (BA, BS) *Minor Required*[Speech and Theatre Education](#) (Theatre and Dance - BSEd)

T[Technology Management](#) (BS) *Minor Required*[Theatre and Dance](#) (BFA) *Options: Acting, Dance, Design/Technology/Stage Management*[Technology Management](#) (BAS)[Theatre Studies](#) (BA) *Minor Required*

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 with a Bachelor of Arts (BA) major that requires a minor must select from those minors that are designated;(BA). See [degree abbreviations](#) below.

A[Accounting](#) (BA, BAS, BS)[Animal Science](#) (BS)[Advertising and Promotion](#) (BA, BAS, BFA, BS)[Anthropology](#) (BA, BS, BSW)[African American Studies](#) (BA, BS, BSW)[Art](#) (BA, BS)[Agricultural Business](#) (BS)[Art History](#) (BA, BFA, BS, BSEd)[Agriculture](#) (BSEd)[Asian Studies](#) (BA, BS)[Agronomy](#) (BS)[Astronomy](#) (BA, BS)

[Ancient Greek](#) (BA)

B

[Biology](#) (BA, BS, BSEd)

[Business Education](#) (BSEd)

[Biomedical Sciences](#) (BA, BS, BSAT, BSN)

C

[Chemistry](#) (BA, BS)

[Coaching](#) (BA, BS, BSEd)

[Child and Family Development](#) (BA, BS, BSW)

[Communication](#) (BA, BS)

[Chinese](#) (BA, BAS, BFA, BMus, BS, BSAT, BSN, BSW)

[Community and Regional Planning](#) (BS)

[Classics-Classical Humanities](#) (BA, BS)

[Computer Information Systems](#) (BA, BAS, BS)

[Classics-Concentration in Ancient Greek](#) (BA)

[Computer Science](#) (BA, BS)

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

[Creative Writing](#) (BA, BFA, BS)

[Criminology](#) (BA, BS, BSEd, BSW)

D

[Dance](#) (BA, BS)

[Design](#) (BS)

E

[Economics](#) (BA, BS, BSEd)

[Environmental Sciences and Policy](#) (BA, BS)

[English](#) (BA, BFA, BMus, BS, BSEd)

[Equine Studies](#) (BA, BS)

[Entrepreneurial Studies](#) (BS)

[ESOL \(English for Speakers of Other Languages\)](#) (BA, BS)

[Entrepreneurship](#) (BS)

[Ethical Leadership](#) (BA, BS, BSEd)

[Environmental Physics Technology](#) (BS)

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

[Environmental Plant Science](#) (BA, BS)

[Exercise Biology](#) (BS, BSAT)

F

[Film Studies](#) (BA, BS)

[Folklore](#) (BA, BFA, BS, BSEd)

[Finance](#) (BA, BAS, BS)

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

[Financial Planning](#) (BA, BAS, BS)

G

[Gender Studies](#) (BA, BS, BSEd, BSN, BSW)

[Geospatial Sciences](#) (BS)

[General Agriculture](#) (BS)

[Geotourism](#) (BA, BS)

[General Business](#) (BA, BAS, BS)

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

[General Family and Consumer Sciences](#) (BA, BS, BSEd)

[Gerontology](#) (BA, BS, BSW)

[Geography](#) (BA, BS, BSEd)

[Global Studies](#) (BA, BS)

[Geology](#) (BA, BS)

H

[Health Care Management](#) (BA, BS, BSN)

[Housing and Interior Design](#) (BA, BS)

[History](#) (BA, BS, BSEd, BSW)

[Human Resources Management/Industrial Relations](#) (BA, BAS, BS)

Horticulture (BS)

IIndustrial Management (BA, BAS, BS)International Management (BA, BAS, BS)Informatics (BS)International Marketing (BA, BAS, BS)Information Technology Service Management (BA, BAS, BS)International Relations (BA, BS)

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

LLatin (BA, BFA, BS, BSW)Library Science (BA, BFA, BS, BSEd)Latin American Studies (BA, BFA, BS, BSW)Linguistics (BA, BS, BSEd)Law and Society. The (BA, BS)Literacy (BSEd)Leadership (BS)Logistics and Supply Chain Management (BA, BAS, BS)Legal Studies in Business (BA, BAS, BS)

MManagement (BA, BAS, BS)Military Science (BA, BS, BSEd)Marketing (BA, BAS, BFA, BS)Molecular Biology (BS)Mass Media (BA, BS)Museum Studies (BA, BFA, BS)Mathematics (BA, BS, BSEd)Music (BA, BS)Middle Eastern Studies (BA, BS)Music Composition (BA, BMus, BS)

NNative American Studies (BA, BFA, BS)Nutrition (BA, BS, BSAT, BSN)

OOperations Management (BS)Ozarks Studies (BA, BFA, BS)

PPersonalized Minor (any degree)Psychology (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)Philosophy (BA, BFA, BS, BSEd, BSW)Public Administration (BA, BS, BSEd, BSW)Physics (BS)Public Law (BA, BS, BSW)Political Science (BA, BS, BSEd, BSW)

RReal Estate (BA, BAS, BS)Religious Studies (BA, BS, BSEd, BSW)Recording Arts (BA, BMus, BS)Risk Management and Insurance (BA, BAS, BS)Recreation, Sport, and Park Administration (BA, BS)

S

[Screenwriting](#) (BA, BFA, BS)

[Spanish](#) (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

[Selling](#) (BA, BAS, BS)

[Sports Medicine](#) (BA, BAS, BFA, BME, BMus, BS, BSEd, BSN, BSW)

[Sociology](#) (BA, BS, BSEd, BSW)

T

[Teaching English to Speakers of Other Language](#) (BSEd)

[Theatre](#) (BA, BS)

[Technical Writing](#) (BA, BFA, BS)

W

[Web Application Development](#) (BA, BAS, BS)

[Writing](#) (BSEd)

Degree abbreviations

BA - Bachelor of Arts

BS - Bachelor of Science

BAS - Bachelor of Applied Science

BSAT - Bachelor of Science in Athletic Training

BFA - Bachelor of Fine Arts

BSEd - Bachelor of Science in Education

BMus - Bachelor of Music

BSN - Bachelor of Science in Nursing

BME - Bachelor of Music Education

BSW - Bachelor of Social Work

University Course Offerings

Course codes and disciplines

A

[AAS](#) - African American Studies

[ACC](#) - Accounting

[AGB](#) - Agriculture Business

[AGE](#) - Agriculture Education

[AGN](#) - Agricultural Natural Resources

[AGP](#) - Agricultural Plant Science

[AGR](#) - Agriculture, General

[AGT](#) - Technology Education

[AGV](#) - Agricultural Vocational

[ANE](#) - Anesthesia, Nurse

[ANT](#) - Anthropology

[ARB](#) - Arabic

[ART](#) - Art

[AST](#) - Astronomy

[ATC](#) - Athletic Training

B

[BIQ](#) - Biology

[BMS](#) - Biomedical Sciences

[BSE](#) - Business Education

[BUS](#) - Business

C

[CFD](#) - Child and Family Development

[CHI](#) - Chinese

[CHM](#) - Chemistry

[CIS](#) - Computer Information Systems

[COM](#) - Communication

[COU](#) - Counseling

[CRM](#) - Criminology

[CSC](#) - Computer Science

[CSD](#) - Communication Sciences and Disorders

D

[DAN](#) - Dance

[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)

[EDT](#) - Educational Technology (formerly IMT)

[EEM](#) - Early Childhood and Elementary Education

[EGR](#) - Engineering

[ELE](#) - Elementary Education

[ENG](#) - English

F

[FCS](#) - Family and Consumer Science

[FIN](#) - Finance

[FMD](#) - Fashion Merchandising and Design

[FRN](#) - French

G

[GBL](#) - Global Studies

[GRD](#) - Graduate College

[GEO](#) - Geospatial Sciences

[GRK](#) - Greek

[GEP](#) - General Education Program

[GRM](#) - German

[GER](#) - Gerontology

[GRY](#) - Geography

[GLG](#) - Geology

[GST](#) - Gender Studies

H

[HBW](#) - Hebrew

[HLH](#) - Health

[HCM](#) - Health Care Management

[HRA](#) - Hospitality and Restaurant Administration

[HID](#) - Housing and Interior Design

[HST](#) - History

I

[IDS](#) - Interdisciplinary Studies

[IPE](#) - Interprofessional Education

[INS](#) - Insurance

[ITL](#) - Italian

J

[JPN](#) - Japanese

[JRN](#) - Journalism

K

[KIN](#) - Kinesiology (formerly PED)

L

[LAW](#) - Law

[LLI](#) - Language and Literature

[LIS](#) - Library Science

[LTN](#) - Latin

M

[MAT](#) - Materials Science

[MKT](#) - Marketing

[MCL](#) - Modern and Classical Languages

[MST](#) - Museum Studies

[MED](#) - Media

[MTC](#) - Medical Technology

[MGT](#) - Management

[MTH](#) - Mathematics

[MID](#) - Middle School Education

[MUS](#) - Music

[MIL](#) - Military Science

N

[NUR](#) - Nursing

O

[OZK](#) - Ozarks Studies

P

[PAS](#) - Physician Assistant Studies

[PLS](#) - Political Science

[PBH](#) - Public Health

[PSY](#) - Psychology

[PHI](#) - Philosophy

[PTE](#) - Physical Therapy

[PHY](#) - Physics

[PTG](#) - Portuguese

[PLN](#) - Planning

Q

[QBA](#) - Quantitative Business Analysis

R

[RAD](#) - Radiography

[REL](#) - Religious Studies

[RDG](#) - Reading

[RTH](#) - Respiratory Therapy

[REC](#) - Recreation and Leisure Studies

[RUS](#) - Russian

S

[SAE](#) - Student Affairs in Higher Education

[SOC](#) - Sociology

[SCI](#) - Science Education

[SPE](#) - Special Education

[SEC](#) - Secondary Education

[SPN](#) - Spanish

[SEF](#) - Secondary Education, Foundations, and Research

[SWK](#) - Social Work

T

[TCM](#) - Technology and Construction Management

[THE](#) - Theatre

U

[UHC](#) - Honors College

College of Arts and Letters

Academic units

[Department of Art and Design](#)

[Department of Communication](#)

[Department of English](#)

[Linguistics Program](#)

[Department of Media, Journalism & Film](#)

[Department of Modern and Classical Languages](#)

[Department of Music](#)

[Department of Theatre and Dance](#)

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Programs

Includes accelerated master's option

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, Minor)

[Conflict and Dispute Resolution](#) (Certificate)

[Creative Writing](#) (Minor)

[Dance](#) (Minor)

[Design](#) (BFA, Minor)

[Electronic Arts](#) (Art and Design - BS)

[Electronic Arts](#) (Media, Journalism & Film - BS)

[English Education](#) (BSEd)

[English/Creative Writing Option](#) (BA)

[English/Literature Option](#) (BA)

[English for Speakers of Other Languages \(ESOL\)](#) (Minor)

[Ethical Leadership](#) (Minor)

[Film Studies](#) (Minor)

[Folklore](#) (Minor)

[French](#) (BA, BS, Minor)

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[German](#) (BA, BS, Minor)

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[Japanese](#) (Minor)

[Journalism](#) (BS, Minor)

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[Music](#) (BA, BMus, Minor)

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[Recording Arts](#) (Minor)

[Screenwriting](#) (Minor)

[Socio-Political Communication](#) (BS)

[Spanish](#) (BA, BS, Minor)

[Spanish Education](#) (BSEd)

[Speech and Theatre Education](#) (Communication - BSEd)

[Speech and Theatre Education](#) (Theatre and Dance - BSEd)

[Teaching English to Speakers of Other Languages](#) (Minor)

[Technical Writing](#) (Minor)

[Theatre](#) (Minor)

[Theatre and Dance](#) (BFA)

[Theatre Studies](#) (BA)

[Writing](#) (Minor)

[Writing for Television and Film](#) (Certificate)

Graduate

[Communication](#) (MA)

[Conflict and Dispute Resolution](#) (Certificate)

[English](#) (MA)

[Secondary Education with an option in English](#) (MSEd)

[Teaching English to Speakers of Other Languages](#) (Certificate)

[Master of Music \(MM\)](#)[Ozarks Studies \(Certificate\)](#)[Screenwriting for Television and Film \(Certificate\)](#)[Secondary Education with an option in Art \(MSEd\)](#)[Secondary Education with an option in Speech and Theatre \(MSEd\)](#)[Theatre \(MA\)](#)[Writing \(MA\)](#) Accelerated Master's option available in Technical/Professional Writing Track

Centers for Research and Service

Center for Dispute Resolution

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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.

Contact

Interim dean

[Gloria J. Galanes, PhD](#)

Associate dean

[Madeleine Hooper, PhD](#)

Interim 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

Department of Art and Design

Programs

Includes accelerated master's option

Undergraduate

[Art](#) (BFA, Minor)

[Design](#) (BFA, Minor)

[Art and Design](#) (BA)

[Electronic Arts](#) (BS)

[Art and Design Education](#) (BSEd)

[Museum Studies](#) (Minor)

[Art History](#) (BFA, Minor)

Graduate

[Secondary Education with an option in Art](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Art and Design (BSEd), and Secondary Education/Art (MSEd)
- National Council for Accreditation of Teacher Education – Art and Design (BSEd), and Secondary Education/Art (MSEd)

General information

Waiver of ART 100

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. It contains extensive studio facilities for Two and Three Dimensional Foundations studies, Drawing, Painting, Sculpture, Art Education, and the Brick City Galleries. Student work is displayed within the Brick City facilities throughout the year.

The Art and Design Department has its department offices in the Ellis Fine Arts Building, Room 308. This floor also includes the Visual Resources Collection, a photo critique/lecture room, and facilities for the metals/jewelry courses. On the main (second) floor of Ellis Hall are facilities for ceramics with several kilns and workspaces behind the main building. There is a large lecture room for Art History and Appreciation courses also located on this floor. The fourth floor houses photographic and printmaking studios. Additional studios and classrooms for Photography and Digital Imaging are located in Pummill Hall.

The ground floor of Hill Hall, adjacent to Ellis Hall on the west, houses the foundry. This facility has two large furnaces appropriate for sculpture classes for metal casting.

The Jim D. Morris Center for Continuing Education is the home of the Graphic Design, Illustration, and Computer Animation programs. The fifth floor holds two regularly updated computer labs. Graphic design classes utilize a Mac Lab while a PC Lab is available for computer animation. In addition to the labs, traditional studio areas are available for student work.

The Duane G. Meyer Library maintains an extensive collection of art and design

Contact

Department head

Carolyn L. Cardenas, MFA

Office

Ellis Hall, Room 308

Phone

417-836-5110

Fax

417-836-6055

Email

ArtandDesign@missouristate.edu

Website

art.missouristate.edu

periodicals as well as books relating to art and design history

Brick City Galleries, 215 W. Mill St., (417) 836-6794, <http://art.missouristate.edu/brickcitygallery.htm>. 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.

Student Exhibition Center, 838 E. Walnut St., (417) 836-6999, <http://sec.missouristate.edu/>. Located near campus on historic Walnut Street and John Q. Hammons Parkway, this 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.

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Art and Design Faculty

(as of July 23, 2013)

Professors

[Carolyn L. Cardenas, MFA](#)

[Keith A. Ekstam, MFA](#)

[Billie Follensbee, PhD](#)

[Judith Fowler, MFA](#)

[Sharon R. Harper, MFA](#)

[Cedomir Kostovic, MFA](#)

[Sarah Perkins, MFA](#)

[Eric Pervukhin, MFA](#)

[Gwen Walstrand, MFA](#)

[Bruce West, MFA](#)

[Steve Willis, PhD](#)

[Vonda Yarberry, MFA](#)

Associate professors

[Jerry Hatch, MFA](#)

[Marcus Howell, MFA](#)

[Kevin Hughes, MFA](#)

[Catherine J. Jolivette, PhD](#)

[Sean Lyman, MFA](#)

[Maria Michalczyk-Lillich, MFA](#)

[Duat Vu, MFA](#)

Assistant professors

[Jimmie Allen, MFA](#)

[Jacek Fraczak, MFA](#)

[Bryan C. Jennings, MFA](#)

[Mitzi Kirkland-Ives, PhD](#)

[Sarah K. Williams, MFA](#)

Senior instructor

[Iwona Duszek, MFA](#)

Instructor

[Robin Lowe, MFA](#)

Emeritus professors

Bill H. Armstrong, MFA

[Alan H. Brown, MFA](#)

John Careggio, MFA

[Dwaine Crigger, MFA](#)

[Roman Duszek, MFA](#)

Susanne Ettinger, BFA

Rodney S. Frew, MFA

Tom Kinsey, MEd

[David Quick, PhD](#)

[Dianne Strickland, PhD](#)

Wade S. Thompson, MFA

[Hugh Yorty, MFA](#)

College of Arts and Letters

Programs

Includes accelerated master's option

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, Minor)

[Conflict and Dispute Resolution](#) (Certificate)

[Creative Writing](#) (Minor)

[Dance](#) (Minor)

[Design](#) (BFA, Minor)

[Electronic Arts](#) (Art and Design - BS)

[Electronic Arts](#) (Media, Journalism & Film - BS)

[English Education](#) (BSEd)

[English/Creative Writing Option](#) (BA)

[English/Literature Option](#) (BA)

[English for Speakers of Other Languages \(ESOL\)](#) (Minor)

[Ethical Leadership](#) (Minor)

[Film Studies](#) (Minor)

[Folklore](#) (Minor)

[French](#) (BA, BS, Minor)

[French Education](#) (BSEd)

[German](#) (BA, BS, Minor)

[German Education](#) (BSEd)

[Japanese](#) (Minor)

[Journalism](#) (BS, Minor)

[Linguistics](#) (Minor)

[Mass Media](#) (BA, BS, Minor)

[Museum Studies](#) (Minor)

[Music](#) (BA)

[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)

[Professional Writing](#) (BA, BS)

[Public Relations](#) (BS)

[Recording Arts](#) (Minor)

[Screenwriting](#) (Minor)

[Socio-Political Communication](#) (BS)

[Spanish](#) (BA, BS, Minor)

[Spanish Education](#) (BSEd)

[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](#) (Minor)

[Theatre and Dance](#) (BFA)

[Theatre Studies](#) (BA)

[Writing](#) (Minor)

[Writing for Television and Film](#) (Certificate)

Graduate

[Communication](#) (MA)

[Secondary Education with an option in English](#) (MSEd)

[Conflict and Dispute Resolution](#) (Certificate)

[English](#) (MA)

[Master of Music](#) (MM)

[Ozarks Studies](#) (Certificate)

[Screenwriting for Television and Film](#) (Certificate)

[Secondary Education with an option in Art](#) (MSEd)

[Teaching English to Speakers of Other Languages](#) (Certificate)

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Contact

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[Gloria J. Galanes, PhD](#)

Associate dean

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Department of Art and Design

Programs

Includes accelerated master's option

Undergraduate

[Art](#) (BFA, Minor)

[Design](#) (BFA, Minor)

[Art and Design](#) (BA)

[Electronic Arts](#) (BS)

[Art and Design Education](#) (BSEd)

[Museum Studies](#) (Minor)

[Art History](#) (BFA, Minor)

Graduate

[Secondary Education with an option in Art](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Art and Design (BSEd), and Secondary Education/Art (MSEd)
- National Council for Accreditation of Teacher Education – Art and Design (BSEd), and Secondary Education/Art (MSEd)

General information

Waiver of ART 100

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. It contains extensive studio facilities for Two and Three Dimensional Foundations studies, Drawing, Painting, Sculpture, Art Education, and the Brick City Galleries. Student work is displayed within the Brick City facilities throughout the year.

The Art and Design Department has its department offices in the Ellis Fine Arts Building, Room 308. This floor also includes the Visual Resources Collection, a photo critique/lecture room, and facilities for the metals/jewelry courses. On the main (second) floor of Ellis Hall are facilities for ceramics with several kilns and workspaces behind the main building. There is a large lecture room for Art History and Appreciation courses also located on this floor. The fourth floor houses photographic and printmaking studios. Additional studios and classrooms for Photography and Digital Imaging are located in Pummill Hall.

The ground floor of Hill Hall, adjacent to Ellis Hall on the west, houses the foundry. This facility has two large furnaces appropriate for sculpture classes for metal casting.

The Jim D. Morris Center for Continuing Education is the home of the Graphic Design, Illustration, and Computer Animation programs. The fifth floor holds two regularly updated computer labs. Graphic design classes utilize a Mac Lab while a PC Lab is available for computer animation. In addition to the labs, traditional studio areas are available for student work.

The Duane G. Meyer Library maintains an extensive collection of art and design

Contact

Department head

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periodicals as well as books relating to art and design history

Brick City Galleries, 215 W. Mill St., (417) 836-6794, <http://art.missouristate.edu/brickcitygallery.htm>. 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.

Student Exhibition Center, 838 E. Walnut St., (417) 836-6999, <http://sec.missouristate.edu/>. Located near campus on historic Walnut Street and John Q. Hammons Parkway, this 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.

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Art and Design Faculty

(as of July 23, 2013)

Professors

[Carolyn L. Cardenas, MFA](#)

[Keith A. Ekstam, MFA](#)

[Billie Follensbee, PhD](#)

[Judith Fowler, MFA](#)

[Sharon R. Harper, MFA](#)

[Cedomir Kostovic, MFA](#)

[Sarah Perkins, MFA](#)

[Eric Pervukhin, MFA](#)

[Gwen Walstrand, MFA](#)

[Bruce West, MFA](#)

[Steve Willis, PhD](#)

[Vonda Yarberry, MFA](#)

Associate professors

[Jerry Hatch, MFA](#)

[Marcus Howell, MFA](#)

[Kevin Hughes, MFA](#)

[Catherine J. Jolivette, PhD](#)

[Sean Lyman, MFA](#)

[Maria Michalczyk-Lillich, MFA](#)

[Duat Vu, MFA](#)

Assistant professors

[Jimmie Allen, MFA](#)

[Jacek Fraczak, MFA](#)

[Bryan C. Jennings, MFA](#)

[Mitzi Kirkland-Ives, PhD](#)

[Sarah K. Williams, MFA](#)

Senior instructor

[Iwona Duszek, MFA](#)

Instructor

[Robin Lowe, MFA](#)

Emeritus professors

Bill H. Armstrong, MFA

[Alan H. Brown, MFA](#)

John Careggio, MFA

[Dwaine Crigger, MFA](#)

[Roman Duszek, MFA](#)

Susanne Ettinger, BFA

Rodney S. Frew, MFA

Tom Kinsey, MEd

[David Quick, PhD](#)

[Dianne Strickland, PhD](#)

Wade S. Thompson, MFA

[Hugh Yorty, MFA](#)

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. May not 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 Two-Dimensional Design

Elements and principles of two-dimensional design. Experience with a variety of media and subject matter.

Credit hours: 3 **Lecture contact hours:** 0 **Lab contact hours:** 6

Typically offered: Fall, Spring

[Projected offerings](#)

ART 101 Three-Dimensional Design

Prerequisite: ART 100.

Elements and principles of three dimensional design. Experience with a variety of media and subject matter.

Credit hours: 3 **Lecture contact hours:** 0 **Lab contact hours:** 6

Typically offered: Fall, Spring

[Projected offerings](#)

ART 110 Two-Dimensional Design for Digital Media

Elements and principles of two-dimensional design. Computers will be used extensively in this class. Will not count toward the BA in Art or Design, BFA in Art or Design, or the BS Ed in Art and Design.

Credit hours: 3 **Lecture contact hours:** 0 **Lab contact hours:** 6

Typically offered: 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 (Self-Understanding/Humanities Perspective).

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

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, 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.

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 or ART 110; and CIS 101 or CSC 101 or CSC 111.

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

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 B.S. in Education (Secondary). A grade of "C" or better is required in this course in order to take ART 490 or ART 491. May not 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

[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

Prerequisite: ART 100.

Basic course in black and white photography. Includes camera controls and darkroom work. 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

Prerequisite: ENG 110.

General Education Course (Culture and Society/Humanities Perspective). 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

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 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.

Typically offered: Fall, Spring

[Projected offerings](#)

ART 272 History of Western Art II

Prerequisite: ENG 110.

General Education Course (Culture and Society/Humanities Perspective). 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

Prerequisite: ENG 110.

General Education Course (Culture and Society/Humanities Perspective). 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

Prerequisite: ENG 110.

General Education Course (Culture and Society/Humanities Perspective). 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/CSC 301 and ART 330.

Hands-on introduction to video game development software, emphasizing the process to prepare and import 3D assets from

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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.

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.

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

A survey of painting, sculpture, and architecture in Europe from 1300-1575.

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.

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.

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.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Upon demand
[Projected offerings](#)

[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 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.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

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.

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.

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.

Credit hours: 5-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

ART 492 Art History Methodology

Prerequisite: 12 hours of art history at the 300- or 400- level; and permission of instructor.

This is a critical study of the various methodologies used in the discipline of art history. This course will prepare students to pursue advanced study in art history.

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](#)

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. May be repeated to a total of 9 hours.

Credit hours: 3 **Lecture contact hours:** 0 **Lab contact hours:** 6

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. 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 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 four hours across a single academic year. Identical with MED 498.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ART 499 Senior Exhibition

Prerequisite: senior standing; and completion of BFA Candidacy Review; 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. May not be taken Pass/Not Pass.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

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. 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 356 Color Photography

Prerequisite: ART 255.

An investigation of technical and aesthetic issues of color photography. Emphasis on the development of expressive photographic images. 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 357 Special Topics in Photography

Prerequisite: ART 355 or ART 356.

Alternative photographic processes to broaden the photographic experience. Subject of course to be selected by the instructor. May be repeated to a total of 9 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 358 Studio Photography

Prerequisite: ART 354 and ART 355.

An investigation of technical, aesthetic, and conceptual issues of studio photography with emphasis on the portrait and the still-life. May be repeated to a total of 9 hours.

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. Emphasis on the development of expressive photographic images. 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 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: 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 5 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.

Credit hours: 1-3 Lecture contact hours: Lab contact hours:

Typically offered: Summer

[Projected offerings](#)

ART 690 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 5 hours. Variable Content Course. 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 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 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 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](#)

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 B.S. in Education.

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](#)

Design (DES) courses

DES 202 Graphic Design Systems

Prerequisite: ART 100 and ART 101 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: Missouri State GPA of at least 2.50; and a GPA of 2.50 or higher in the major; and ART 100 and ART 101 and ART 215; and either CIS 101 or CSC 101 or CSC 111.

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

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 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 799 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](#)

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)

Typically offered: Fall

[Projected offerings](#)

DES 250 Materials and Techniques for Illustration

Prerequisite: Missouri State GPA of at least 2.50 and a GPA of 3.00 or higher in the major; and ART 100 and ART 101 and ART 215 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 100.

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

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.

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](#)

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 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.

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 Program

Major(s)

Art

Bachelor of Fine Arts

Admission requirements

In addition to completing Foundations courses (ART 100, 101, 115, 215) 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. Student records will be encumbered at sixty hours if the student has not yet filed 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, may not be taken unless the Candidacy Review has been completed.

Transfer students with more than sixty hours completed must apply for candidacy during their first semester.

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (75-78 hours)
 1. Foundations Courses (12 hours): [ART 100](#)(3), [101](#)(3), [115](#)(3), [215](#)(3)
 2. Studio Core (15 hours) – complete five courses with at least one from each of the three groups below:
 - a. [ART 202](#)(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](#)(3-9), [355](#)(3-9), [356](#)(3-9), [357](#)(3-9), [358](#)(3-9), [359](#)(3-9), [399](#)(3-6), [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. 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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 Program

Major(s)

Art and Design (Non-Comprehensive)

Bachelor of Arts

Admission requirements

Complete the Foundations courses (ART 100, 101, 115, 215).

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (36 hours)
 - 1. Foundations Courses (12 hours): [ART 100](#)(3), [101](#)(3), [115](#)(3), [215](#)(3)
 - 2. Art History (9 hours): [ART 271](#)(3) or [272](#)(3); and 6 hours of art history electives
 - 3. Studio Emphasis: a minimum of 6 hours in one of the following studio areas: ceramics, digital imaging, metals/jewelry, painting, photography, printmaking, or sculpture
 - 4. 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 36. ART 200 cannot be used to satisfy this requirement.
- C. Minor Required (or second major)
- 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

Art and Design Education Program

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, 115, 215) 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 thirty hours and must be made *before* sixty hours have been completed or student records will be encumbered. In addition to completing the specific Art and Design requirements, students must also fulfill all the admission requirements as listed under the Teacher Education Program section of this catalog.

Program Requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirement: [ART 271\(3\)](#) or [274\(3\)](#)
- B. Major Requirements (60 hours)
 1. Foundations Courses (12 hours): [ART 100\(3\)](#), [101\(3\)](#), [115\(3\)](#), [215\(3\)](#)
 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 (27 hours):
 - a. [ART 212\(3\)](#), [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 (12 hours): [ART 360\(3\)](#), [366\(3\)](#), [460\(3\)](#), [466\(3\)](#)
- C. Professional Education Courses
 1. [ART 401\(3\)](#), [490\(5-6\)](#), [491\(5-6\)](#)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Art History Program

Major(s)

Art History (Non-Comprehensive)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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. In consultation with an advisor, complete 21 hours in at least four of the following areas of art history:
 - a. Area I: [ART 472\(3\)](#), [474\(3\)](#)
 - b. Area II: [ART 475\(3\)](#), [478\(3\)](#)
 - c. Area III: [ART 381\(3\)](#), [479\(3\)](#), [480\(3\)](#), [484\(3\)](#)
 - d. Area IV: [ART 374\(3\)](#), [382\(3\)](#)
 - e. Area V: [ART 385\(3\)](#), [485\(3\)](#)
 - f. Area VI: [ART 386\(3\)](#)
 - g. Area VII: [ART 377\(3\)](#), [378\(3\)](#), [387\(3\)](#), [488\(3\)](#)

With advisor's approval, [ART 496\(3\)](#), Special Topics in Art History, may substitute for a course in one of the areas.
- C. Minor Required (or second major)
- 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

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 Program

Major(s)

Design

Bachelor of Fine Arts

Admission requirements

In addition to completing Foundations courses (ART 100, 101, 115, 215) 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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (75-90 hours)
 1. Foundations Courses (12 hours): [ART 100\(3\)](#), [101\(3\)](#), [115\(3\)](#), [215\(3\)](#)
 2. Design Core (15 hours): [ART 202\(3\)](#), [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. Complete one of the options below
 - a. **Graphic Design** (18 hours):
 1. [DES 330\(3\)](#), [331\(3\)](#), [332\(3\)](#), [340\(3\)](#), [430\(3\)](#)
 2. Three 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. Six hours of [DES 497\(3\)](#)-Special Topics in Illustration (may not repeat the same topic)
 3. Three 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. Fifteen hours in Graphic Design: [DES 330\(3\)](#), [331\(3\)](#), [332\(3\)](#), [340\(3\)](#), [430\(3\)](#)
 2. Nine hours in illustration: [DES 250\(3\)](#), [350\(3\)](#), [452\(3\)](#)
 3. Six hours of [DES 497\(3\)](#)-Special Topics in Illustration (may not repeat the same topic)
 4. Three hours of design electives: [DES 345\(3\)](#), [440\(3\)](#), [497\(3\)](#)- may not repeat topic already taken, [DES 499\(3\)](#)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Design

Bachelor of Science

- A. [ART 100\(3\)](#), [101\(3\)](#), [115\(3\)](#), [202\(3\)](#), [255\(3\)](#); [DES 300\(3\)](#)
- B. [ART 210\(3\)](#) or [DES 210\(3\)](#)

Electronic Arts Program

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (37 hours)
 1. Core Courses: [ART 100](#)(3), [ART 300](#)(3); [MED 290](#)(3), [MED 365](#)(3); [ART 498](#)(4) or [MED 498](#)(4); [MUS 216](#)(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); 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.
- C. Minor Required. Note: No more than 6 hours may count for both the major and the minor.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Museum Studies

Minor(s)

Museum Studies

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Program Advisors: Billie Follensbee, Professor, Art and Design; Mitzi Kirkland-Ives, Assistant Professor, Art and Design; Janice Green, Professor, Biology; Judith Meyer, Associate Professor, Geography, Geology and Planning; Elizabeth Sobel, Associate Professor, Sociology and Anthropology; William Wedenoja, Acting Department Head, 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.
 - a. 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\(3\)](#)
 - b. 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\(2\)](#)
 - c. 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\(3\)](#)
 - d. 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)
 - e. 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

Includes accelerated master's option

Undergraduate

[Communication](#) (BA, BS, Minor)

[Public Relations](#) (BS)

[Conflict and Dispute Resolution](#) (Certificate)

[Socio-Political Communication](#) (BS)

[Ethical Leadership](#) (Minor)

[Speech and Theatre Education](#) (BSEd)

Graduate

[Communication](#) (MA)

Courses are offered toward the [Applied Communication option](#) within the M.S. degree in Administrative Studies

[Conflict and Dispute Resolution](#) (Certificate)

Accreditation

- Missouri Department of Elementary and Secondary Education – Speech and Theatre Education (BSEd)
- National Council for Accreditation of Teacher Education – 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 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.

Contact

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Communication Faculty

(as of July 23, 2013)

Professors

[Charlene A. Berquist, PhD](#)

[John S. Bourhis, PhD](#)

[Randy K. Dillon, PhD](#)

[Gloria J. Galanes, PhD](#)

[Shawn T. Wahl, PhD](#)

Associate professors

[Isabelle Bauman, PhD](#)

[Elizabeth Dudash, PhD](#)

[Samuel C. Dyer, PhD](#)

[Kelly S. Wood, PhD](#)

Assistant professors

[LeAnn M. Brazeal, PhD](#)

[Eric Morris, PhD](#)

[Stephanie N. Norander, PhD](#)

Senior instructors

[Allison Coltharp, MA](#)

[Jerri Lynn Kyle, MA](#)

[Robyn Rowe, MA](#)

Instructors

[Lynn Borich, MA](#)

[Nora Cox, MA](#)

[Gary L. Iman, MA](#)

[Heather Walters, JD](#)

Emeritus professors

[R. Richard Ellis, MA](#)

[Herbert W. Jackson, PhD](#)

[Russell M. Keeling, PhD](#)

[Janis L. King, PhD](#)

[John I. Sisco, PhD](#)

[Holt V. Spicer, PhD](#)

[Richard L. Stovall, PhD](#)

[Ralph R. Smith, PhD](#)

[Donal J. Stanton, PhD](#)

Emeritus instructors

[Deborah J. Craig, MA](#)

[Sandra House, EdD](#)

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 (Basic Required Courses).

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.

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

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.

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 310.

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

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.

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

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

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.

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](#)

[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.

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

[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 B.S. in Education (Secondary). A grade of "C" or better is required in this course in order to take COM 490 or COM 491. May not 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

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, dramaturgic, and symbolic convergence theories. Study of movements' use of communication to

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.

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. Course will not count toward the major GPA. May not 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. Course will not count toward the major GPA. May not receive credit for both COM 491 and THE 491. Supplemental course fee.

Credit hours: 6 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Fall, Spring
[Projected offerings](#)

COM 493 Clinical Experiences in Teaching II

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

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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.

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.

[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](#)

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 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 credit 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 credit 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](#)

Communication Program

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 Basic Required 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 Requirements - see [General Education Program and Requirements](#) section of catalog
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. 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 355](#)(3), [356](#)(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 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

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 Basic Required 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 Requirements - see [General Education Program and Requirements](#) section of catalog
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. 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 355\(3\)](#), [356\(3\)](#); [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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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.

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 master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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.

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), [355](#)(3), [356](#)(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.

Accelerated master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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.

Public Relations Program

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 Basic Required 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 Requirements - see [General Education Program and Requirements](#) section of catalog
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 378\(3\)](#), [477\(3\)](#), [MED 365\(3\)](#), [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)
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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.

Socio-Political Communication Program

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 Basic Required 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 Requirements - see [General Education Program and Requirements](#) section of catalog
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\(0\)](#)

**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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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.

Speech and Theatre Education Program

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 Basic Required 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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (41 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)
 2. **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
 1. [COM 417](#)(3), [490](#)(6), [491](#)(6)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Accelerated master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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 English

Programs

Includes accelerated master's option

Undergraduate

[Creative Writing](#) (Minor)

[English](#) (Minor)

[English - Creative Writing Option](#) (BA)

[English - Literature Option](#) (BA)

[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)

[Writing](#) (MA) Accelerated Master's option available in
Technical/Professional Writing Track

Accreditation

- Missouri Department of Elementary and Secondary Education – English (BSEd), and Secondary Education/English (MSEd)
- National Council for Accreditation of Teacher Education – English (BSEd), and Secondary Education/English (MSEd)

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Program requirements and restrictions

Placement requirement

An ACT English score of 19 or higher or an SAT English score of 451 or higher will meet the prerequisite for enrolling in ENG 110. Students with an ACT English score of 18 or lower or an SAT English score of 450 or lower must enroll in ENG 100.

General education program restriction

With the exception of ENG 310 and ENG 321, English courses counted towards General Education requirements may not also be used to meet the major requirements, minor requirements, or Fine Arts requirement on the Bachelor of Arts degree.

BA fine arts restriction

English majors or minors may not use the same literature courses to satisfy both the major or minor requirements and the Fine Arts requirement.

Restriction for english majors

Contact

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

Students completing both a major and a minor offered by the English Department may not count the same courses on both the major and the minor.

English Faculty

(as of July 23, 2013)

Distinguished professor

[James Baumlín, PhD](#)

[Joel Chaston, PhD](#)

Professors

[Mary F. \(Tita\) Baumlín, PhD](#)

[Christina Biava, PhD](#)

[W.D. Blackmon, PhD](#)

[Marcus Cafagña, MFA](#)

[Michael Ellis, PhD](#)

[Jane Hoogestraat, PhD](#)

[Judith John, PhD](#)

[Etta M. Madden, PhD](#)

[Linda Moser, PhD](#)

[Yili Shi, PhD](#)

[Kristene S. Sutliff, PhD](#)

[Margaret Weaver, PhD](#)

Associate professors

[Lanette Cadle, PhD](#)

[Matthew Calihman, PhD](#)

[Keri Franklin, PhD](#)

[Lyn Gattis, PhD](#)

[Rachel Gholson, PhD](#)

[Marianthe Karanikas, PhD](#)

[Shannon Wooden, PhD](#)

Assistant professors

[Michael G. Czyniejewski, MFA](#)

[Kenneth Gillam, PhD](#)

[Angela M. Kohnen, MEd](#)

[Lanya Lamouria, PhD](#)

Senior instructors

[R. Magdalena Berry, MA](#)

[Mara Cohen-Ioannides, MA](#)

[Tracy Dalton, MA](#)

[Earl G. Holmer, MA](#)

[Richard L. Neumann, PhD](#)

[Angelia M. Northrip-Rivera, MA](#)

[Lori Rogers, MA](#)

[Michael Stowe, MA](#)

[John Turner, MA](#)

Instructors

[Sara Burge, MFA](#)

[Jennifer L. Murvin, MA](#)

Emeritus professors

Robert Beckett, PhD

[Linda Benson, PhD](#)

[Phyllis Bixler, PhD](#)

[J. Clark Closser, PhD](#)

Carter M. Cramer, PhD

Wesley E. Hall, EdD

[Leigh Henson, PhD](#)

[Donald R. Holliday, PhD](#)

[James T. Jones, PhD](#)

Mareta Williams Pons, MA

Harriet Shirley, MA

[Mark Trevor Smith, PhD](#)

Roland Sodowsky, PhD

[Jean Stringam, PhD](#)

Myron Taylor, PhD

Richard M. Turner, PhD

Emeritus senior instructor

[Virginia Scott-Hendrickson, MA](#)

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. May not be used as elective credit on any major or minor offered by the department and will not 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 (Basic Required Courses). Critical reading and writing skills applicable to writing within and beyond the college community. Emphasis on composition processes, research methods, argumentation of diverse issues, and collaborative learning, such as peer review.

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 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 credit 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

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 Introduction to Literature

General Education Course (Culture and Society/Humanities Perspective).

Investigation of the roles that literature plays in shaping, preserving, and contesting culture and society. Study of literacy in the broadest sense and its impacts over a variety of time periods and cultures.

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 (Self-Understanding/Creativity and Vision Perspective). Introduction to the theory, technique, and terminology of writing poetry, and practical experience in writing in the form.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ENG 205 Creative Writing: Nonfiction

Prerequisite: ENG 110.

General Education Course (Self-Understanding/Creativity and Vision Perspective). An introduction to writing creative nonfiction, including critical reading in the genre.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ENG 210 Writing II: Academic Writing

Prerequisite: 30 hours and ENG 110 or equivalent.

General Education Course (Basic Required Courses). Study and practice of the discourse conventions of academic writing and writing about public affairs from the perspective of an educated person. Preparation for writing within 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 (Self-Understanding/Creativity and Vision Perspective). Introduction to the theory, technique, and terminology of short story writing, and practical experience in writing in the form.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

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.

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.

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. 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.

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

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 (Basic Required Courses). Practice in a variety of writing situations encountered by professionals: correspondence, proposals, documented research reports, abstracts, definitions, product and process descriptions.

Emphasis on developing skills in audience analysis, including multicultural consideration; analytical reading, critical thinking, research methods, and clear writing, with attention to the ethical dimensions of workplace writing in general.

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 283 Folklore

Prerequisite: ENG 110 or equivalent.

Reading and examination of folklore as national or international cultural holding material will serve to introduce research methods of the discipline and major genres of folklore: folk narrative, folk song, and material culture.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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

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 585 History of Literary Criticism

Prerequisite: 60 hours.

A survey of the theories of literary critics, such as Sidney, Pope, Coleridge, Eliot, Brooks, Barthes, Eagleton, Kristeva, and Derrida. May be taught concurrently with ENG 687. Cannot receive credit for both ENG 687 and ENG 585.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[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 attitudes; 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.

Prerequisite: ENG 110.

General Education Course (Self-Understanding/Humanities Perspective). 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 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.

General Education Course (Self-Understanding/Social-Behavioral Perspective). 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.

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

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.

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.

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 310 Writing II Writing for Graduate and Professional Schools

Prerequisite: ENG 110 and 45 hours.

General Education Course (Basic Required Courses). Instruction and practice in advanced writing and research for students who plan to pursue post-graduate or professional degrees in a variety of disciplines. Practice in writing documented essays, 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 321 Writing II Beginning Technical Writing

Prerequisite: 45 hours and ENG 110 or equivalent.

General Education Course (Basic Required Courses). Practice in application letters, resumes, brochures, instructions, graphic illustrations, and researched writing. Students experience community engagement through client-based projects such as manuals or other professional documents. Students also practice audience analysis, including multicultural considerations. Emphasis on presenting information clearly and 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](#)

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: Non-Fiction

Group discussion and criticism. Individual writing projects. May be organized around one or more of the following non-fiction genres: personal essay, journalism and magazine writing, stylistics, scholarly writing, technical and scientific 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

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 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 334 or ENG 336 or ENG 338.

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**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 616 Mark Twain

Twain's life and work (selected novels, short pieces, travelogues, autobiography, and criticism) studied as pivotal between an old and new America. May be taught concurrently with ENG 516. Cannot receive credit for both ENG 516 and ENG 616.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[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.

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

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.

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 Science Fiction and Fantasy Literature

Prerequisite: ENG 110 or equivalent.

Representative science fiction or fantasy literary works. May be repeated for a total of 6 hours if topics differ. Variable content course.

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; CSC/CIS 101 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.

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 380 Introduction to Women's Literature

Prerequisite: ENG 110.

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

General Education Course (Self-Understanding/Humanities Perspective). Self-understanding and gender studies approach to reading and reflecting on literary and critical works by women from classical times to the present with emphasis on literature written in English. Course will explore the influence of identity and gender on formation of personal values through exploration of themes such as growing up female, women's roles and relationships, empowerment through spiritual reflection and social action.

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 20-hour field experience under the mentorship of an experienced classroom teacher is required. Credited only on B.S. in Education (Secondary). A grade of "C" or better is required in this course in order to take ENG 432 or ENG 433. This course may not 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.

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 Preparation for Literary Publication

Practical experience with literary journals in regards to 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 current projects from University publications. Includes preparing their own creative work for submission and publication.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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 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

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.

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.

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.

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.

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for

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 credit 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](#)

one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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 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.

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 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.

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

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: Non-Fiction

Prerequisite: ENG 235 or ENG 321 or JRN 374 or JRN 375.

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 non-fiction genres: personal essay, journalism and magazine writing, stylistics, scholarly writing, technical and scientific 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

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 687 History of Literary Criticism

A survey of the theories of literary critics, such as Sidney, Pope, Coleridge, Eliot, Brooks, Barthes, Eagleton, Kristeva, and Derrida. May be taught concurrently with ENG 585. Cannot receive credit for both ENG 585 and ENG 687.

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 attitudes; 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.

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

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](#)

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 516 Mark Twain

Prerequisite: 60 hours.

Twain's life and work (selected novels, short pieces, travelogues, autobiography, and criticism) studied as pivotal between an old and new America. May be taught concurrently with ENG 616. Cannot receive credit for both ENG 616 and ENG 516.

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.

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 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

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 631 and ENG 521.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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

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 735 Seminar: Children's Literature

Detailed study of selected works, authors, or themes in

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

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

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 Preparation for Literary Publication

Prerequisite: ENG 303 or ENG 315 or ENG 325.

Practical experience with literary journals in regards to 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 current projects from University publications. Includes preparing their own creative work for submission and publication.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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 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 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.

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](#)

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 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](#)

Creative Writing

Minor(s)

Creative Writing

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

- A. [ENG 203](#)(3) or [215](#)(3) or [225](#)(3); [ENG 303](#)(3) or [315](#)(3) or [325](#)(3); [ENG 501](#)(3) or [503](#)(3) or [506](#)(3)
- B. Writing course(s) (3-6 hours): [ENG 203](#)(3), [215](#)(3), [225](#)(3), [321](#)(3); or [JRN course\(s\)](#).
- C. ENG literature course(s) (3-6 hours), for a total of not fewer than 18 hours

English Minor

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

English/Creative Writing Option

Major(s)

English/Creative Writing Option

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (36 hours)
 - 1. [ENG 235](#)(3), [351](#)(3), [508](#)(3)
 - 2. Two courses from: [ENG 340](#)(3), [341](#)(3), [350](#)(3)
 - 3. One course from: [ENG 354](#)(3), [355](#)(3), [360](#)(3), [361](#)(3), [362](#)(3), [363](#)(3), [380](#)(3)
 - 4. One 500-level literature course
 - 5. Two courses from: [ENG 203](#)(3), [215](#)(3), [225](#)(3)
 - 6. One course from: [ENG 303](#)(3), [315](#)(3), [325](#)(3)
 - 7. [ENG 301](#)(3), Seminar in English Studies and Public Affairs
 - 8. One course from: [ENG 500](#)(3), [501](#)(3), [503](#)(3), [506](#)(3) for a total of not fewer than 36 hours
- C. Minor Required (or second major)
- 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

English/Literature Option

Major(s)

English/Literature Option

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (36 hours)
 - 1. [ENG 235](#)(3), [340](#)(3), [341](#)(3), [350](#)(3), [351](#)(3); [ENG 390](#)(3) or [491](#)(3)
 - 2. One course from: [ENG 354](#)(3), [355](#)(3), [360](#)(3), [361](#)(3), [362](#)(3), [363](#)(3), [380](#)(3), [483](#)(3)
 - 3. One course from: [ENG 312](#)(3), [510](#)(3), [513](#)(3), [541](#)(3), [543](#)(3)
 - 4. Two 500-level literature courses (in addition to any 500-level literature courses used to fulfill the requirements for the major)
 - 5. Three hours of English electives for a total of not fewer than 36 hours, not including ENG 110, 210, 221, 310
 - 6. [ENG 301](#)(3), Seminar in English Studies and Public Affairs
- C. Minor Required (or second major)
- 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

English Education

Major(s)

English

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (42 hours)
1. [ENG 200](#)(3)-(may also count toward the Culture and Society Humanities Perspective General Education requirement); [ENG 235](#)(3), [338](#)(3), [340](#)(3), [341](#)(3), [350](#)(3), [351](#)(3), [390](#)(3), [520](#)(3); [ENG 491](#)(3) or [494](#)(3)
 2. One 500-level literature course
 3. One course from: [ENG 360](#)(3), [361](#)(3), [362](#)(3)
 4. One course from: [ENG 283](#)(3), [354](#)(3), [355](#)(3), [483](#)(3), [485](#)(3)
 5. [ENG 312](#)(3)-students may substitute [ENG 513](#) for ENG 312 but may not count it as their 500-level literature course. NOTE: Students must complete 12 hours of composition and rhetoric to meet certification requirements. This requirement is normally met by the completion of Writing I and Writing II, ENG 235 and ENG 520. Students with less than 12 hours of composition and rhetoric may complete ENG 203, 210, 215, 221, 310 or 321 to meet this requirement.
- C. Professional Education Courses
1. [ENG 405](#)(3), [ENG 432](#)(5-6), [ENG 433](#)(5-6)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

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.

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

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (36 hours)
 1. [ENG 321\(3\)](#), [373\(3\)](#), [377\(3\)](#), [421\(3\)](#), [422\(3\)](#), [487\(3\)](#), [500\(3\)](#), [574\(3\)](#)
 2. 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
- C. Minor Required (or second major)
- 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

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- 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. 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
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in writing, technical/professional writing track

Eligible undergraduate majors in Professional Writing may apply for early admission to the Writing program for the Technical/Professional Writing track, during their junior year. Once accepted for early admission, students will be able to take up to 12 credit hours at the 600 level that apply to both their undergraduate and graduate degree programs (Mixed Credit).

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.

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](#)(2); [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.

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

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.

Linguistics Program

Programs

Includes accelerated master's option

Undergraduate

[Linguistics](#) (Minor)

General information

The Linguistics minor is housed in 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

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Linguistics

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.

Department of Media, Journalism and Film

Programs

Includes accelerated master's option

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)

General information

Student activities

An integral part of the Department of Media, Journalism & Film, the mass media program provides a wide range of activities in broadcasting, journalism, and film. The department maintains an instructional television studio which provides student programming on KOZK: Ozarks Public Television and Springfield's Cable Channel 24. The department also serves in an advisory capacity for the school newspaper, The Standard, and is associated with KSMU-FM (91.1 MHz), the University's National Public Radio affiliate. Mass media majors can gain valuable experience working in each of these areas, as reporters and journalists for the newspaper, as producers of television programming, or as student interns at KSMU, the area's FM source of fine arts and information programming. The student-run Film Society is also affiliated with the department. The department maintains a strong internship program with local and regional broadcasters, providing an opportunity for majors to acquire professional experience at a variety of radio and television stations, as well as independent production facilities.

Contact

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Media, Journalism & Film Faculty

(as of July 23, 2013)

Professors

[James W. Bihlmeyer, MFA](#)

[Mary Jane Pardue, DA](#)

[Mark Paxton, PhD](#)

Associate professors

[Mark M. Biggs, MA](#)

[Andrew Cline, PhD](#)

[Weiyang Wang, MFA](#)

[Timothy White, PhD](#)

Assistant professors

[Deborah Larson, PhD](#)

[Kevin P. Swift, MA](#)

[Emanuelle M. Wessels, PhD](#)

Senior instructor

[Jack E. Dimond, MA](#)

Emeritus professor

[Karen Buzzard, PhD](#)

[Thomas V. Dickson, EdD](#)

[Arlen E. Diamond, PhD](#)

Media, Journalism & Film Courses

Journalism (JRN) courses

JRN 270 Introduction to Journalism

Prerequisite: 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 372 Public Affairs Reporting

Prerequisite: JRN 370.

Instruction and practice in gathering material and writing stories on public affairs, with emphasis on state and local government.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: 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

JRN 388 Electronic News Gathering

Prerequisite: JRN 381 and JRN 384.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

JRN 476 Newspaper Editing

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: Spring (odd-numbered years)

[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.

Typically offered: Fall (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: Spring (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 378 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: Spring

[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: Fall, Spring

[Projected offerings](#)

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 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: Fall, Spring

[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 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 to 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 (Culture and Society/Social Sciences Perspective).

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

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. 1-3 D. 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(1-0) D. Approved Recurring Course Topic: Asian Horror Cinema. An in-depth exploration of Asian

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 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 four hours across a single academic year. Identical with ART 498.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

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](#)

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(1-0). D. 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(2-0) D. 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(3-0) F. 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(1-0) D. Approved Recurring Course Topic: James Bond and the Movies. Historical view of the way in which the James Bond film series, the longest-running series in movie history, progressed, changed and adapted as well as how it influenced not only the whole spy/action/adventure film genre but society itself over a period of more than three decades. 1(1-0) D. 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(1-0) D. 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(1-0) D. 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(1-0) D. Approved Recurring Course Topic: The Portrayal of Women in Television Situation Comedies. Students will examine what we have been watching on prime time television between 1952 and the present in an attempt to determine how the image of women, as seen in network situation comedies, has evolved. Two questions will frame the course: 1) Is there a correlation between what we watch and how we act? 2) Is there a correlation between sitcom life and real life?

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

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.

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 Screenwriting

Writing the feature film screenplay. Students will study characterization, structure, plot, description, dialogue and format. The course will include screenings and discussion of feature films and their screenplays, and the business of professional screenwriting. Student will create a premise, character biographies, story structure and scene outline as well as generate their first draft of a short film screenplay or the first act of a full-length film for student and instructor critique and feedback. May be taught concurrently with MED 667. Cannot receive credit for both MED 667 and MED 565. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MED 566 Writing the One-Hour Drama Teleplay

An in-depth look at the elements of writing for the one-hour television market. The course will include the foundations of study structure and play, character and conflict, dialogue and setting, and how to apply these elements to storytelling on the small screen. Writing will include development of a story through outline and beat sheets as well as a first and polished draft of an episode of a currently running television series. Students will learn to pitch their ideas effectively to writer-producers. May be taught concurrently with MED 668. Cannot receive credit for both MED 668 and MED 566. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MED 567 Script Rewriting and Marketing

Prerequisite: MED 565 or MED 566.

An examination of the many phases of rewriting television or feature length screenplays for professional submission. Students will analyze and critique screenplays and teleplays, apply rewriting methods to their scripts for workshopping, create a marketing business plan for submission, and receive feedback. May be taught concurrently with MED 669. Cannot receive credit for both MED 669 and MED 567. May be repeated to a total of 6 hours with permission of the instructor.

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.

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 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

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.

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](#)

[Projected offerings](#)**MED 365 Digital Film and Media Production**

Prerequisite: MED 120 required for Mass Media and Journalism majors only.

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.

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 Website Design and Construction**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. Plot decisions, character redefinition and story structure will be examined through analysis and application. Students will select a source to adapt and will create a polished outline and selected scenes from original materials during the course. This course will also review the legalities and business issues of public domain rights versus options and licensing. May be taught concurrently with MED 463. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring

[Projected offerings](#)

MED 664 Genre Writing for Television and Film

An overview of the expectations and requirements of the various genres, including comedy, mystery, romance, horror, science fiction and fantasy. Students will study the past, present and possible future trends of each genre in the television and film markets. The course will focus on what defines audience expectations. Students will craft characters, plot, dialogue, settings, and themes that are genre specific. May be taught concurrently with MED 464. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall

[Projected offerings](#)

MED 667 Screenwriting

Writing the feature film screenplay. Students will study characterization, structure, plot, description, dialogue and format. The course will include screenings and discussions of feature films and their screenplays, and the business of professional screenwriting. Students will create a premise, character biographies, story structure and scene outline as well as generate their first draft of a short film screenplay or the first act of a full-length film for student and instructor critique and feedback. May be taught concurrently with MED 565. Cannot receive credit for both MED 565 and MED 667. May be

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. Plot decisions, character redefinition and story structure will be examined through analysis and application. Students will select a source to adapt and will create a polished outline and selected scenes from original materials during the course. This course will also review the legalities and business issues of public domain rights versus options and licensing. May be taught concurrently with MED 663. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

MED 464 Genre Writing for Television and Film

An overview of the expectations and requirements of the various genres, including comedy, mystery, romance, horror, science fiction and fantasy. Students will study the past, present and possible future trends of each genre in the television and film markets. The course will focus on what defines audience expectations. Students will craft characters,

repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MED 668 Writing the One-Hour Drama Teleplay

An in-depth look of the elements of writing for the one-hour television market. The course will include the foundations of story structure and plot, character and conflict, dialogue and setting, and how to apply these elements to storytelling on the small screen. Writing will include development of a story through outline and beat sheets as well as a first and polished draft of an episode of a currently running television series. Students will learn to pitch their ideas effectively to writer-producers. May be taught concurrently with MED 566. Cannot receive credit for both MED 566 and MED 668. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MED 669 Script Rewriting and Marketing

Prerequisite: permission of instructor.

An examination of the many phases of rewriting television or feature length screenplays for professional submission. Students will analyze and critique screenplays and teleplays, apply rewriting methods to their scripts for workshopping, create a marketing business plan for submission, and receive feedback. May be taught concurrently with MED 567. Cannot receive credit for both MED 567 and MED 669. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[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 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

plot, dialogue, settings and themes that are genre specific. May be taught concurrently with MED 664. May be repeated to a total of 6 hours with permission of the instructor.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

MED 465 Principles of Cinematography and Editing

Prerequisite: MED 365.

The fundamental theoretical and practical principles of editing and lighting for film and video. Location lighting and camera techniques and aesthetics will be explored in depth. Editing theory will be addressed as students learn nonlinear editing techniques. The class will shoot and edit 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

[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](#)

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 682 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. May be taught concurrently with MED 462. Cannot receive credit for both MED 682 and MED 462.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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](#)

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (37 hours)
 1. Core Courses: [ART 100\(3\)](#), [300\(3\)](#); [MUS 216\(3\)](#); [MED 290\(3\)](#), [365\(3\)](#); [ART 498\(4\)](#) or [MED 498\(4\)](#)
 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 390\(3\)](#), [462\(3\)](#), [463\(3\)](#), [464\(3\)](#), [466\(3\)](#), [492\(3\)](#), [562\(3\)](#), [565\(3\)](#), [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.
- 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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.

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 degree option course with at least a C- in each of these courses.

Departmental Preadmission Core: [MED 120\(3\)](#), [130\(3\)](#), [220\(3\)](#)

Required Degree Option Courses:

Journalism (Broadcast; Print and Internet) - [JRN 270\(3\)](#)

Non-Comprehensive Mass Media (Film Studies, Media Studies) - [MED 274\(3\)](#)

Comprehensive Mass Media (Digital Film Production, Media Production) - [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 degree option 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 Requirements - see [General Education Program and Requirements](#) section of catalog
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. Journalism Core: [JRN 270\(3\)](#), [595\(3\)](#)
 4. Choose one of the following options (18 hours):
 - a. **Broadcast Journalism:** [JRN 381\(3\)](#); [384\(3\)](#), [388\(3\)](#), [481\(3\)](#); [MED 383\(3\)](#); 3 hours of JRN or MED electives.
 - b. **Print and Internet Journalism:** [JRN 370\(3\)](#), [372\(3\)](#), [476\(3\)](#); select 9 hours from [MED 390](#) and JRN courses other than JRN 595 but no more than 6 hours of [JRN 300](#).
- C. Minor required. Note: No course may count for both the Journalism major and the minor.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog.

Minor(s)

Journalism

Bachelor of Arts

Bachelor of Science

- A. [JRN 270\(3\)](#), [370\(3\)](#), [374\(3\)](#) or [375\(3\)](#), [407\(3\)](#), [476\(3\)](#)
- B. 3 hours of elective JRN courses to bring total hours in minor to at least 18 hours.

Accelerated master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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.

Mass Media

Major(s)

Mass Media (Non-Comprehensive)

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 degree option course with at least a C- in each of these courses.

Departmental Preadmission Core: [MED 120\(3\)](#), [130\(3\)](#), [220\(3\)](#)

Required Degree Option Courses:

Journalism (Broadcast; Print and Internet) - [JRN 270\(3\)](#)

Non-Comprehensive Mass Media (Film Studies, Media Studies) - [MED 274\(3\)](#)

Comprehensive Mass Media (Digital Film Production, Media Production) - [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 degree option 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 Requirements - see [General Education Program and Requirements](#) section of catalog.
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. Choose one of the following options (18 hours):
 - a. **Film Studies:** [MED 374\(3\)](#), [375\(3\)](#), [470\(3\)](#), [570\(3\)](#); select 6 hours of MED or JRN electives
 - b. **Media Studies:** [MED 290\(3\)](#); [320\(3\)](#) or [355\(3\)](#) or [580\(3\)](#); [325\(3\)](#); [381\(3\)](#); select 6 hours of MED or JRN electives
- C. Minor Required. Note: No course may count for both the Mass Media major and the minor.
- 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

Mass Media (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 degree option course with at least a C- in each of these courses.

Departmental Preadmission Core: [MED 120\(3\)](#), [130\(3\)](#), [220\(3\)](#)

Required Degree Option Courses:

- Journalism (Broadcast; Print and Internet) - [JRN 270\(3\)](#)
- Non-Comprehensive Mass Media (Film Studies, Media Studies) - [MED 274\(3\)](#)
- Comprehensive Mass Media (Digital Film Production, Media Production) - [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 degree option 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 Requirements - see [General Education Program and Requirements](#) section of catalog.
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. Choose one of the following options (18 hours):
 - a. **Film Studies:** [MED 374\(3\)](#), [375\(3\)](#), [470\(3\)](#), [570\(3\)](#); select 6 hours of MED or JRN electives
 - b. **Media Studies:** [MED 290\(3\)](#); [320\(3\)](#) or [355\(3\)](#) or [580\(3\)](#); [325\(3\)](#); [381\(3\)](#); select 6 hours of MED or JRN electives
- C. Minor Required. Note: No course may count for both the Mass Media major and the minor.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 degree option course with at least a C- in each of these courses.

Departmental Preadmission Core: [MED 120\(3\)](#), [130\(3\)](#), [220\(3\)](#)

Required Degree Option Courses:

- Journalism (Broadcast; Print and Internet) - [JRN 270\(3\)](#)
- Non-Comprehensive Mass Media (Film Studies, Media Studies) - [MED 274\(3\)](#)
- Comprehensive Mass Media (Digital Film Production, Media Production) - [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 degree option 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 Requirements - see [General Education Program and Requirements](#) section of catalog.
Specific General Education Requirement: [MED 120\(3\)](#)
- B. Major Requirements (51 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 (Comprehensive) Core: [MED 274\(3\)](#), [365\(3\)](#), [454\(3\)](#)
 4. Choose one of the following options (27 hours):
 - a. **Digital Film Production:** [MED 361\(3\)](#) or [461\(3\)](#); [MED 374\(3\)](#) or [375\(3\)](#); [MED 462\(3\)](#); [MED 464\(3\)](#) or [565\(3\)](#); [MED 465\(3\)](#) or [466\(3\)](#); [MED 561\(3\)](#) or [562\(2\)](#); select 9 hours of elective courses from [MED 300\(3\)](#), [361\(3\)](#); [MED 374\(3\)](#) or [375\(3\)](#); [MED 461\(3\)](#); [463\(3\)](#); [MED 464\(3\)](#) or [565\(3\)](#); [MED 465\(3\)](#); [466\(3\)](#); [MED 470\(3\)](#); [492\(1-3\)](#); [MED 561\(3\)](#); [562\(3\)](#); [MED 566\(3\)](#); [567\(3\)](#); [570\(3\)](#); [595\(3\)](#); [597\(3\)](#)
 - b. **Media Production:** [MED 290\(3\)](#), [325\(3\)](#); [MED 361\(3\)](#) or [382\(3\)](#); [MED 381\(3\)](#) or [464\(3\)](#); [MED 383\(3\)](#), [583\(3\)](#); select 9 hours of elective courses from [MED 320\(3\)](#); [355\(3\)](#); [390\(3\)](#), [MED 361\(3\)](#), [382\(3\)](#); [MED 381\(3\)](#), [464\(3\)](#); [MED 462\(3\)](#); [463\(3\)](#); [466\(3\)](#); [490\(3\)](#); [492\(1-3\)](#); [566\(3\)](#); [595\(1-6\)](#); [597\(3\)](#)
- C. Note: No course may count for both the Mass Media major and a minor.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 master's degree in communication

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Communication program during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs (Mixed Credit). Students must enroll in COM 701 during the fall semester of their senior year as part of the accelerated program.

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.

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 378](#)(3), [JRN 388](#)(3), [MED 580](#)(3)

Screenwriting

Minor(s)

Screenwriting

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

A. [MED 565](#)(3), [566](#)(3), [567](#)(3)

B. 9 hours of electives from [MED 463](#)(3); [MED 464](#)(3); [ENG 225](#)(3); [ENG 325](#)(3); [LLT 121](#)(3) or [180](#)(3) or [321](#)(3) 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 565](#)(3), [566](#)(3), [567](#)(3)
- B. 3 additional hours from [MED 462](#)(3), [463](#)(3), or [464](#)(3) for a total of at least 12 hours
- C. Attain a GPA of 2.00 or better on all certificate coursework

Department of Modern and Classical Languages

Programs

Includes accelerated master's option

Undergraduate

[Chinese](#) (Minor)

[Classics-Concentration in Ancient Greek](#) (Minor)

[Classics-Classical Humanities](#) (Minor)

[Classics-Latin Concentration Concentration](#) (BA, Minor)

[French](#) (BA, BS, Minor)

[French Education](#) (BSEd)

[German](#) (BA, BS, Minor)

[German Education](#) (BSEd)

[Japanese](#) (Minor)

[Spanish](#) (BA, BS, Minor)

[Spanish Education](#) (BSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – French (BSEd), German (BSEd), Classics-Latin Concentration (BSEd), and Spanish (BSEd)
- National Council for Accreditation of Teacher Education – French (BSEd), German (BSEd), Classics-Latin Concentration (BSEd), and Spanish (BSEd)

General information

The department offers courses designed to give students the fundamentals of each language and to introduce them to the culture and literature of the people whose language is being studied. Some languages may only be offered as resources permit. Intensive Spanish programs in a Hispanic country and intensive French programs are offered during the summer. Laboratory practice is required of all students in modern language courses 101, 102, 201 and 202.

The Department of Modern and Classical Languages offers a variety of activities to students to supplement its academic programs. The Department sponsors conversation tables, honorary societies, and cultural activities. Travel and study tours are offered to provide direct language and cultural experience. The Department also sponsors public service activities related to the study of foreign language and culture.

Program requirements and restrictions

Placement and credit by placement

Students with foreign language experience (typically one or more years of high school language study, or equivalent) in French, German, or Spanish are required to take the Computerized Adaptive Placement Exam (WebCAPE) prior to enrolling in language courses. Students will receive placement information immediately upon completion of the exam. Placement scores remain valid for the duration of enrollment as undergraduate student. During the first week of classes, instructors will ensure that students were placed in the appropriate class for their level of competency.

Students with more advanced experience in French, German, or Spanish and students with experience in languages other than French, German, or Spanish must contact the Department of Modern and Classical Languages for an individualized assessment and placement. The assessment will cover reading, writing, listening, comprehension, and culture.

Native speakers of non-English languages should consult with the department head prior to enrolling in courses.

All language students that have been assessed and placed can obtain retroactive credit (up to 18 credit hours) provided they complete the class they placed into with a grade of B or higher and apply to the department to receive the retroactive credit. Credit will not be automatically granted. Consult with the Modern and Classical Languages department head regarding any exceptions.

Contact

Department head

Jason R. Jolley, PhD

Office

Siceluff Hall, Room 223

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417-836-5122

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417-836-7626

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Website

www.missouristate.edu/mcl

Bachelor of Arts language requirement

All students pursuing a Bachelor of Arts degree must complete a language requirement of 12 hours. There are two options in the Department of Modern and Classical Languages: complete 12 hours in one language or complete two 6 hour segments in two different languages.

The language selected must not be the student's native language. Consult with the Department of Modern and Classical Languages regarding any exceptions or substitutions.

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.

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Modern and Classical Languages Faculty

(as of July 23, 2013)

Professors

[Edwin Carawan, PhD](#)

[Roger Dowdy, PhD](#)

[Mary Harges, PhD](#)

[Joseph J. Hughes, PhD](#)

[Judith Martin, PhD](#)

[Robert L. Norton, PhD](#)

[Pauline Nugent, PhD](#)

Associate professors

[Madeleine Hooper, PhD](#)

[Julie A. Johnson, PhD](#)

[Jason R. Jolley, PhD](#)

[Pedro Koo, PhD](#)

Assistant professor

[Eduardo Acuna-Zumbado, PhD](#)

Senior instructors

[Luis Lombilla, MA](#)

[Tonia E. Tinsley, PhD](#)

[Weirong Yan-Schaefer, PhD](#)

Instructors

[Anne Colombo, MA](#)

[Blanca Judith Martinez, MA](#)

[Corinne Shirley, PhD](#)

Emeritus professors

Robert J. Berndt, PhD

[Larry L. George, PhD](#)

William Holman, PhD

[Curtis P. Lawrence, PhD](#)

[David Lee, PhD](#)

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 by examination is available.

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 by examination is available.

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 by examination is available.

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 by examination is available.

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. 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](#)

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

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. 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](#)

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](#)

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 315 Business and Professional Chinese

Prerequisite: CHI 202 or above.

Introduction to Chinese language and culture as used in business and selected professions. 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](#)

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 by Examination is available.

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 by Examination is available.

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 by Examination is available.

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 inter-national component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit

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.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0

Typically offered: Fall

[Projected offerings](#)

hours. Variable content course.

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. May be repeated as topics change 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](#)

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 313 Francais Langue Globale

Prerequisite: FRN 202.

This course enhances students' cultural and linguistic appreciation of the Francophone world. Using a variety of approaches, students analyze the geographies, peoples, customs, literature, and other topics pertaining to several countries and regions where French is the official language or has a significant cultural influence (e.g., various African nations, the French Caribbean, Quebec, Belgium, Switzerland, etc.).

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

FRN 324 Topics in Francophone Linguistics

Prerequisite: FRN 312.

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. May be repeated, as content changes, to a maximum of 6 credit hours. Variable content course.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[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 525 Seminar in Francophone Literature

Prerequisite: 60 hours and permission of instructor and department head.

Selected topics in Francophone literature such as genre studies, period studies or concentration on one or more authors. Variable content course. May be repeated once with changed content. May be taught concurrently with FRN 625. Cannot receive credit for both FRN 625 and FRN 525.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

FRN 535 Advanced French Composition and Conversation

Prerequisite: FRN 311 and FRN 312 or permission of instructor or department head.

A study of French grammar, style and modes of expression. Designed to further develop the mastery of written and spoken French. May be taught concurrently with FRN 635. Cannot receive credit for both FRN 635 and FRN 535.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

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](#)

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 by Examination is available.

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 by Examination is available.

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 by Examination is available.

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](#)

[Projected offerings](#)

FRN 625 Seminar in Francophone Literature

Selected topics in Francophone literature such as genre studies, period studies or concentration on one or more authors. Variable content course. May be repeated once with changed content. May be taught concurrently with FRN 525. Cannot receive credit for both FRN 525 and FRN 625.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

FRN 635 Advanced French Composition and Conversation

A study of French grammar, style and modes of expression. Designed to further develop the mastery of written and spoken French. May be taught concurrently with FRN 535. Cannot receive credit for both FRN 535 and FRN 635.

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 Länder

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.

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 inter-national 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

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 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 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](#)

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 525 Seminar in German Literature

Prerequisite: 60 hours and GRM 311 or above.

Selected topics in German 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 GRM 625. Cannot receive credit for both GRM 625 and GRM 525.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

GRM 625 Seminar in German Literature

Selected topics in German 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 GRM 525. Cannot receive credit for both GRM 525 and GRM 625.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

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.

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

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](#)

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 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 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 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 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 by examination is available.

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 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 by examination

is available.

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](#)

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

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

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 (Culture and Society/Humanities Perspective).

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 Hero and Quest

General Education Course (Self-Understanding/Humanities Perspective).

This course explores the quest for self-knowledge as it is represented in the literature of non-English cultures, seeking a broader perspective on self-discovery in our own society, to understand how the protagonist, hero or anti-hero, discovers a deeper sense of nature and purpose as he or she confronts the inherited identity that culture and language have imposed.

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, including German BSED, 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

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

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, including German BSED, 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](#)

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](#)

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](#)

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 meditations 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

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](#)

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.

MCL 496 Supervised Teaching (Secondary Foreign Language)

Prerequisite: concurrent enrollment in MCL 493.

Credit hours: 1-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[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 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. Credited only on B.S.

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, and must include a Teacher Work Sample from the supervised teaching. 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](#)

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](#)

in Education (Secondary). A grade of C or better is required in this course in order to take MCL 493 or MCL 496. May not 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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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 (Elementary Foreign Language)

Prerequisite: MCL 413; 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 foreign language 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. 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, and must include a Teacher Work Sample from the supervised teaching. 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](#)

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 610 Advanced Research in the Discipline

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

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 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 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 by examination is available.

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 by examination is available.

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 by Examination is available.

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 by Examination is available.

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 by Examination is available.

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.

SPN 324 Topics in 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. May be repeated one with different content. Variable content Course.

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 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

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 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: Spring

[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: Fall

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 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 525 Seminar in Spanish Literature

Prerequisite: 60 hours and permission of instructor or department head.

Selected topic in Spanish 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 SPN 625. Cannot receive credit for both SPN 625 and SPN 525.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

SPN 535 Advanced Spanish Composition and Conversation

Prerequisite: SPN 312.

A study of Spanish grammar, style and modes of expression. Designed to further develop the mastery of spoken and written Spanish. Variable content course. May be repeated, as content changes, to a maximum of 6 hours. May be taught concurrently with SPN 635. Cannot receive credit for both SPN 635 and SPN 535.

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](#)

[Projected offerings](#)**SPN 625 Seminar in Spanish Literature**

Selected topic in Spanish 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 SPN 525. Cannot receive credit for both SPN 525 and SPN 625.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

SPN 635 Advanced Spanish Composition and Conversation

A study of Spanish grammar, style and modes of expression. Designed to further develop the mastery of spoken and written Spanish. 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](#)

Chinese

Minor(s)

Chinese

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

Complete [CHI 201\(3\)](#), [202\(3\)](#); plus an additional 12 hours from [CHI 297\(1-6\)](#), [311\(3\)](#), [315\(3\)](#); [ART 274\(3\)](#); [LLT 215\(3-6\)](#); [PLS 545\(3\)](#)

Classics-Concentration in Ancient Greek

Minor(s)

Classics-Concentration in Ancient Greek

Bachelor of Arts

Complete 18 hours in one language beyond courses 101 and 102 in consultation with advisor. Six hours of upper division courses are required for all B.A. minors. [LLT 121](#) or [LLT 325](#) may be counted as part of the 18 hours required for the Classics-Concentration in Ancient Greek 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); [REL 571](#)(3)

**when applicable*

Classics-Latin Concentration

Major(s)

Classics-Latin Concentration

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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)
- C. Minor Required (or second major)
- 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

Minor(s)

Classics-Latin Concentration, French, German, Spanish

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 one language beyond courses 101 and 102.

French

Major(s)

French (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 - 1. [FRN 201](#)(3), [202](#)(3), [311](#)(3), [312](#)(3), [326](#)(3), [335](#)(3), [410](#)(3) and [415](#)(3)
 - 2. [FRN 313](#)(3) or [414](#)(3)
 - 3. Six hours of additional French electives beyond 102 to bring total to at least 33 hours. Study abroad and service learning are highly recommended. Students typically receive credit for such experiences.
 - 4. [MCL 499](#)(0)
- C. Minor Required (or second major)
- 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

French (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 - 1. [FRN 201](#)(3), [202](#)(3), [311](#)(3), [312](#)(3), [326](#)(3), [335](#)(3), [410](#)(3) and [415](#)(3)
 - 2. [FRN 313](#)(3) or [414](#)(3)
 - 3. Six hours of additional French electives beyond 102 to bring total to at least 33 hours. Study abroad and service learning are highly recommended. Students typically receive credit for such experiences.
 - 4. [MCL 499](#)(0)
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Classics-Latin Concentration, French, German, Spanish

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 one language beyond courses 101 and 102.

French, Spanish

Bachelor of Science in Education

(Non-Certifiable)

In consultation with advisor, complete 18 hours in one language beyond 102 with six of those hours being 300-level or higher.

French Education

Major(s)

French

Bachelor of Science in Education (Certifiable grades K-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 - 1. [FRN 201](#)(3), [202](#)(3), [311](#)(3), [312](#)(3), [326](#)(3), [335](#)(3), [410](#)(3) and [415](#)(3)
 - 2. [FRN 313](#)(3) or [414](#)(3)
 - 3. Six hours of additional French electives beyond 102 to bring total to at least 33 hours. Study abroad and service learning are highly recommended. Students typically receive credit for such experiences.
 - 4. [MCL 499](#)
 - 5. Have an official ACTFL OPI (Oral Proficiency Interview) and receive a rating of at least "Advanced-Low."
- C. Professional Education Courses
 - 1. [MCL 413](#)(3), [493](#)(6), [496](#)(6)
 - 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

German

Major(s)

German (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 - 1. Complete 33 hours beyond GRM 102. Of that total, at least 12 hours must come from upper-division courses, including at least six hours at the 400 or 500 levels. With advisor approval, a maximum of six hours from [LLT 225](#) and [LLT 271](#) may count toward the degree.
 - 2. [MCL 499](#)(0)
- C. Minor Required (or second major)
- 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

German (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 - 1. Complete 33 hours beyond GRM 102. Of that total, at least 12 hours must come from upper-division courses, including at least six hours at the 400 or 500 levels. With advisor approval, a maximum of six hours from [LLT 225](#) and [LLT 271](#) may count toward the degree.
 - 2. [MCL 499](#)(0)
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

German

Bachelor of Arts

In consultation with advisor, complete 18 hours in German beyond 101 and 102. Three hours of either [LLT 225](#) or [LLT 271](#) may be counted on this minor.

German

Bachelor of Science in Education (Non-Certifiable)

In consultation with advisor, complete 18 hours in German beyond 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.

Classics-Latin Concentration, French, German, Spanish

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 one language beyond courses 101 and 102.

German Education

Major(s)

German

Bachelor of Science in Education (Certifiable grades K-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 - 1. Complete 33 hours beyond GRM 102. Of that total, at least 12 hours must come from upper-division courses, including at least six hours at the 400 or 500 levels. With advisor approval, a maximum of six hours from [LLT 225](#) and [LLT 271](#) may count toward the degree.
 - 2. [MCL 499](#)(0)
 - 3. Have an official ACTFL OPI (Oral Proficiency Interview) and receive a rating of at least "Advanced-Low."
- C. Professional Education Courses
 - 1. [MCL 413](#)(3), [493](#)(6), [496](#)(6)
 - 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

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 [JPN 201](#)(3), [202](#)(3); plus an additional 12 hours from [JPN 297](#)(1-6), [311](#)(3), [312](#)(3); [ART 274](#)(3); [LLT 215](#)(3-6); [PLS 545](#)(3)

Spanish

Major(s)

Spanish (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 1. [SPN 201](#)(3), [202](#)(3), [205](#)(3), [312](#)(3), [324](#)(3), [410](#)(3), and [SPN 415](#)(3)
 2. [SPN 325](#)(3) or [326](#)(3)
 3. [SPN 450](#)(3) or [460](#)(3)
 4. Six hours of additional Spanish electives beyond 102 to bring total to at least 33 hours. Study abroad and service learning are highly recommended. Students typically receive credit for such experiences.
 5. [MCL 499](#)(0)
- C. Minor Required (or second major)
- 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

Spanish (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 1. [SPN 201](#)(3), [202](#)(3), [205](#)(3), [312](#)(3), [324](#)(3), [410](#)(3), and [SPN 415](#)(3)
 2. [SPN 325](#)(3) or [326](#)(3)
 3. [SPN 450](#)(3) or [460](#)(3)
 4. Six hours of additional Spanish electives beyond 102 to bring total to at least 33 hours. Study abroad and service learning are highly recommended. Students typically receive credit for such experiences.
- C. [MCL 499](#)(0)
- D. Minor Required (or second major)
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Classics-Latin Concentration, French, German, Spanish

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 one language beyond courses 101 and 102.

French, Spanish

Bachelor of Science in Education

(Non-Certifiable)

In consultation with advisor, complete 18 hours in one language beyond 102 with six of those hours being 300-level or higher.

Spanish Education

Major(s)

Spanish

Bachelor of Science in Education (Certifiable grades K-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (33 hours)
 - 1. [SPN 201](#)(3), [202](#)(3), [205](#)(3), [312](#)(3), [324](#)(3), [410](#)(3), and [SPN 415](#)(3)
 - 2. [SPN 325](#)(3) or [326](#)(3)
 - 3. [SPN 450](#)(3) or [460](#)(3)
 - 4. Six hours of additional Spanish electives beyond 102 to bring total to at least 33 hours. Study abroad and service learning are highly recommended. Students typically receive credit for such experiences.
 - 5. [MCL 499](#)(0)
 - 6. Have an official ACTFL OPI (Oral Proficiency Interview) and receive a rating of at least "Advanced-Low."
- C. Professional Education Courses
 - 1. [MCL 413](#)(3), [493](#)(6), [496](#)(6)
 - 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Department of Music

Programs

Includes accelerated master's option

Undergraduate

[Music](#) (BA, Minor)

[Music, Bachelor of](#) (BMus)

[Music Composition](#) (Minor)

[Music-Instrumental](#) (BME)

[Music-Vocal/Choral](#) (BME)

[Musical Theatre](#) (BFA)

[Recording Arts](#) (Minor)

Graduate

[Master of Music](#) (MM)

Accreditation

- National Association of Schools of Music – Music (BA, MM), Music/Performance (BMus), Music/Composition (BMus), Music Education (BME), and Musical Theatre (BFA)
- Missouri Department of Elementary and Secondary Education – Music Education (BME), and Secondary Education/Music (MSEd)
- National Council for Accreditation of Teacher Education – Music Education (BME), and Secondary Education/Music (MSEd)

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Contact

Department head

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Music Faculty

(as of July 23, 2013)

Professors

[Lisa R. Casey, DMA](#)

[Michael R. Casey, MME](#)

[Peter F. Collins, DMA](#)

[Julie C. Combs, DMA](#)

[Randall P. Hamm, MM](#)

[David R. Hays, DMA](#)

[Jill L. Heyboer, DMA](#)

[Jerry W. Hoover, MM](#)

[Cynthia Green Libby, DMA](#)

[Amy F. Muchnick, DMA](#)

[Michael F. Murray, DMA](#)

[Michael A. Murray, DMA](#)

[James Parsons, PhD](#)

[Grant S. Peters, DMA](#)

[Belva W. Prather, EdD](#)

[John S. Prescott, DMA](#)

[Robert C. Quebbeman, DMA](#)

[Allison M. Storchuk, DMA](#)

[Wei-Han Su, DMA](#)

[Guy B. Webb, DMA](#)

Associate professors

[J. Scott Cameron, DMA](#)

[Jeremy A. Chesman, DMA](#)

[Daniel S. Hellman, PhD](#)

[Paula K. Patterson, EdD](#)

[Richard Todd Payne, DMA](#)

[Chris A. Thompson, DMA](#)

Assistant professors

[Carol L. Chapman, DMA](#)

[Anne Marie Daehn, DMA](#)

[Jason Hausback, MM](#)

[Andrew H. Homburg, DMA](#)

[Hye-Jung Hong, DMA](#)

Emeritus professors

Lloyd G. Blakely, DMA

[Wynne Harrell, DMA](#)

[William W. Hartman, MA](#)

Johnnie W. Johnson, MM

[Norma D. McClellan, PhD](#)

Mollie Autry Molnar, DMA

[Rose Mary Owens, PhD](#)

Patricia Pierce, MM

Robert M. Scott, MS

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 by Examination is available.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Spring

[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: passing score on the Music Theory Entrance Exam.

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 by Examination is available.

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 by Examination is available.

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4

Typically offered: Spring

[Projected offerings](#)

MUS 107 Recital Attendance I

Attendance of at least six music major convocations, one faculty recital, and eight other recitals or concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the student's major applied teacher or 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 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 Teaching of Music in the Grades

Prerequisite: admission to Teacher Education Program.

Methods of teaching music in the elementary schools. Credited only on Bachelor of Music Education degree.

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.

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.

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.

Credit hours: 1-4 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 108 Recital Attendance II

Attendance of at least six music major convocations, one faculty recital, and eight other recitals or concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the student's major applied teacher or 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 130 Multicultural Musical Instrument Techniques

Techniques of both the performance and pedagogy of traditional instruments from cultures other than those in the Western/European tradition. Variable content course.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Upon demand

[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.

MUS 453 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 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.

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.

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.

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.

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.

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.

Credit hours: 1-4 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

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 by Examination is available.

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 by Examination is available.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 139 Instrument Maintenance

Prerequisite: MUS 133.

Instrument repair, source of difficulty and solution of minor problems. Experience in replacing cork, springs, pads and adjustments of instruments.

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

MUS 462 Collegiate Chorale

Chorus studies masterpieces of choral literature through preparation and performance of selected compositions; Spring Concert is presented yearly. 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 465 Chamber Singers

Repertoire consists of vocal chamber music in the polyphonic style, Masses, Motets, Madrigals, Chansons, Polyphonic Lieder, from the 13th to 17th Centuries. Formal concert and public performances are given by the ensemble each year. 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 468 Concert Chorale

Open to all students by audition. All types of Choral literature, accompanied and unaccompanied, are prepared and performed. Presents Christmas Concert, Spring Concert and programs to the area high schools. 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 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 String Orchestra Workshop

Prerequisite: permission of instructor.

Study, performance of the literature and style of music for string ensembles of all sizes, a conducted group. 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

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.

Band performs as marching unit during football season and as indoor ensemble throughout the school year. Analytical study and stylistic performance of literature for conducted wind ensembles of all sizes. Band performs on campus, in area high schools and in the stadia of other colleges. Auditions for placement and additional group work required. 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 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, and combined (Missouri State and transfer) GPA of 2.75 or higher, and concurrent enrollment in MUS 494 and MUS 496.

A seminar designed for the purpose of discussion and analysis of field experiences during the student teaching semester. Additional topics will include: Theory into Practice (application of learning theories), The Job Search, Diversity in the Classroom, Completing the Professional Portfolio, Classroom Assessment, and Management Enhancement. Students attend (in person or on-line) weekly 2-hour seminars.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 492 Accompanying

Prerequisite: permission of instructor.

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 162 Collegiate Chorale

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 General Music)

Prerequisite: all course work required for the Bachelor of Music Education completed, a combined (Missouri State and transfer) GPA of 2.75; a combined (both Missouri State and transfer) GPA of 3.00 or higher in major; 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 music classes under the direction of the cooperating teacher and university supervisor. Students will demonstrate a mastery of the MoSTEP quality indicators that make up the student teaching evaluations.

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 appropriate for children in elementary 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: 5 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Fall, Spring
[Projected offerings](#)

MUS 496 Supervised Teaching (Secondary Music)

Prerequisite: concurrent enrollment in MUS 488 and MUS 494.

Students will observe and then teach for 8 weeks under the supervision of the cooperating teacher and university supervisor. Students will demonstrate a mastery of the MoSTEP quality indicators that make up the student teaching evaluations. 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 appropriate for children in elementary 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: 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.

Credit hours: 2-4 **Lecture contact hours:** **Lab contact hours:**

Chorus studies masterpieces of choral literature through preparation and performance of selected compositions; Spring Concert is presented yearly. 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 165 Chamber Singers

Repertoire consists of vocal chamber music in the polyphonic style, Masses, Motets, Madrigals, Chansons, Polyphonic Lieder, from the 13th to 17th Centuries. Formal concert and public performances are given by the ensemble each year. 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 168 Concert Chorale

Open to all students by audition. All types of Choral literature, accompanied and unaccompanied, are prepared and performed. Presents Christmas Concert, Spring Concert and programs to the area high schools. 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 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 String Orchestra Workshop

Prerequisite: permission of instructor.

Study, performance of the literature and style of music for string ensembles of all sizes, a conducted group. 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 performs as marching unit during football season and as indoor ensemble throughout the school year. Analytical study

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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

and stylistic performance of literature for conducted wind ensembles of all sizes. Band performs on campus, in area high schools and in the stadia of other colleges. Auditions for placement and additional group work required. 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 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.

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

Exploration of theories and techniques of sound synthesis, sequencing, and digital audio through composition. May be repeated to a total of 6 hours when topic varies. Variable content course. 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 204.

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.

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 of at least six music major convocations, one faculty recital, and eight other recitals or concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be preapproved by the student's major applied teacher or 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 of at least six music major convocations, one faculty recital, and eight other recitals or concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be preapproved by the student's major applied teacher or 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](#)

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.

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: Fall
[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

MUS 216 Introduction to Audio Techniques

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 by Examination is available.

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 235 Voice Class III

Prerequisite: MUS 136.

Application and vocal principles is given on an individual basis with repertoire and diction in Italian, German, and French.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 236 Voice Class IV

Prerequisite: MUS 235.

Application of vocal principles is given on an individual basis with the repertoire including songs and arias from operas and oratorios in Italian, French, German, and English.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[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 by Examination is available.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 238 Piano Class IV

Prerequisite: MUS 237.

Modern harmonization, diminished and augmented chords, arpeggios, instrumental and vocal scores, ensemble-solo-duo playing. Credit by Examination is available.

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.

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 (Self-Understanding/Humanities Perspective).

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 (Self-Understanding/Creativity and Vision Perspective). 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,

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 of the 20th Century

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 580 Instrumental Conducting

Prerequisite: MUS 323.

A study of conducting techniques and problems in rehearsal and performance. Baton technique and repertoire development. May be taught concurrently with MUS 670. Cannot receive credit for both MUS 670 and MUS 580.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Summer

[Projected offerings](#)

MUS 581 Choral Conducting

Prerequisite: MUS 322.

A study of conducting techniques and problems in rehearsal and performance. Conducting technique and repertoire development. May be taught concurrently with MUS 689. Cannot receive credit for both MUS 671 and MUS 581.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, 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

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 262 Collegiate Chorale

Chorus studies masterpieces of choral literature through preparation and performance of selected compositions; Spring Concert is presented yearly. 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 265 Chamber Singers

Repertoire consists of vocal chamber music in the polyphonic style, Masses, Motets, Madrigals, Chansons, Polyphonic Lieder, from the 13th to 17th Centuries. Formal concert and public performances are given by the ensemble each year. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

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

Exploration of theories and techniques of sound synthesis, sequencing, and digital audio through composition. May be repeated to a total of 6 hours when topic varies. Variable content course. 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

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 268 Concert Chorale

Open to all students by audition. All types of Choral literature, accompanied and unaccompanied, are prepared and performed. Presents Christmas Concert, Spring Concert and programs to the area high schools. 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 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 String Orchestra Workshop

Prerequisite: permission of instructor.

Study, performance of the literature and style of music for string ensembles of all sizes, a conducted group. 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 performs as marching unit during football season and as indoor ensemble throughout the school year. Analytical study and stylistic performance of literature for conducted wind ensembles of all sizes. Band performs on campus, in area high schools and in the stadia of other colleges. Auditions for placement and additional group work required. 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 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.

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: 2 **Lecture contact hours:** 2 **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: Fall

[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: 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, German, 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 Italian 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.

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.

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 of at least six music major convocations, one faculty recital, and eight other recitals or concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the student's major applied teacher or 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 of at least six music major convocations, one faculty recital, and eight other recitals or concerts sponsored by the department. The fulfillment of any part of these requirements by non departmental concerts must be pre approved by the student's major applied teacher or 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

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 670 Instrumental Conducting

A study of conducting techniques and problems in rehearsal and performance. Baton technique and repertoire development. May be taught concurrently with MUS 580. Cannot receive credit for both MUS 580 and MUS 670.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall, Summer
[Projected offerings](#)

MUS 671 Choral Conducting

[Projected offerings](#)

MUS 313 16th Century Counterpoint

Prerequisite: MUS 204.

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 204.

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

A study of conducting techniques and problems in rehearsal and performance. Conducting technique and repertoire development. May be taught concurrently with MUS 581. Cannot receive credit for both MUS 581 and MUS 671.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Summer

[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

The band performs as a marching unit during the football season and as an indoor ensemble throughout the school year. Formal concerts and public performances are given by the ensemble each year. Auditions for placement are required. May be repeated for credit.

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

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 204.

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 337 Piano Class V

Prerequisite: MUS 238.

Study of functional piano skills for classroom and studio use. Class members participate in simulated rehearsal situations involving accompanying, transposition, harmonization, and score reading at the piano. Emphasis is also placed on development of sightreading skills. Credit by Examination is available.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 338 Piano Class VI

Prerequisite: MUS 337.

Study of advanced functional skills for classroom and studio use. Class members participate in simulated rehearsal situations involving accompanying, transposition, harmonization, and score reading at the piano. Emphasis is also placed on development of sightreading skills. Credit by Examination is available.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[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

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 of the 20th Century

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

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.

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

General Education Course (Culture and Society/Humanities Perspective).

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

General Education Course (Culture and Society/Humanities Perspective).

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.

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.

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: 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 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. May be repeated for credit for a total of 6 hours when topic varies. 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

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 362 Collegiate Chorale

Chorus studies masterpieces of choral literature through preparation and performance of selected compositions; Spring Concert is presented yearly. 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 365 Chamber Singers

Repertoire consists of vocal chamber music in the polyphonic style, Masses, Motets, Madrigals, Chansons, Polyphonic Lieder, from the 13th to 17th Centuries. Formal concert and public performances are given by the ensemble each year. 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 368 Concert Chorale

Open to all students by audition. All types of Choral literature, accompanied and unaccompanied, are prepared and performed. Presents Christmas Concert, Spring Concert and programs to the area high schools. 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 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](#)

ability levels. May be repeated to a total of 6 hours when topic varies. 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. 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 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 373 String Orchestra Workshop

Prerequisite: permission of instructor.

Study, performance of the literature and style of music for string ensembles of all sizes, a conducted group. 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 performs as marching unit during football season and as indoor ensemble throughout the school year. Analytical study and stylistic performance of literature for conducted wind ensembles of all sizes. Band performs on campus, in area high schools and in the stadia of other colleges. Auditions for placement and additional group work required. 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 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

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 Collegiate Chorale

The chorus membership studies the masterpieces of choral literature through preparation and performance of selected compositions. A spring concert is presented each year. May be repeated for credit.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 765 Chamber Singers

Repertoire consists of vocal chamber music in polyphonic style, masses, motets, madrigals, chanson, and polyphonic lieder, from the 13th and 17th Centuries. Formal concerts and public performances are given by the ensemble each year. May be repeated for credit.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 768 Concert Chorale

The choir is open to all college students by audition. All types of choral literature, accompanied and unaccompanied, are prepared and performed by its members. The choir presents a Christmas concert, a spring concert, and programs in area high schools. May be repeated for credit.

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 String Orchestra Workshop

Study and performance of the literature and style of music for string ensembles of all sizes, A conducted group. May be repeated for credit.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MUS 774 Stage Band

[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 of at least six music major convocations, one faculty recital, and eight other recitals or concerts sponsored by the department. The fulfillment of any part of these requirements by non departmental concerts must be pre approved by the student's major applied teacher or 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

A laboratory course in instrumentation, materials, arranging, and organization of the stage band. 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

The band performs as a marching unit during the football season and as an indoor ensemble throughout the school year. Formal concerts and public performances are given by the ensemble each year. Auditions for placement are required. May be repeated for credit.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 4

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](#)

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 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](#)

Music

Major(s)

Music (Non-Comprehensive)

Bachelor of Arts

Admission requirements

To be admitted to the degree program, students must audition for a committee of applied faculty in that student's major performance area. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103.

Auditions

Students desiring to pursue a major or minor offered by the Department of Music 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 web site for 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.

Admission to degree program

All BA, BM, and BME majors must apply to 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 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. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103.

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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) select from: [MUS 204](#)(3), [313](#)(2), [314](#)(2), [315](#)(2), [321](#)(2), [327](#)(2), [328](#)(2), [512](#)(3), [518](#)(2), [523](#)(2), [524](#)(2), [529](#)(3), [543](#)(3), [544](#)(3), [545](#)(3), [546](#)(3), [547](#)(3), [548](#)(2)
 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)
- 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 Requirements for Bachelor of Arts Degree - see [Specific Bachelor of Arts Degree Requirements](#) section of catalog
- F. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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.

General education program restriction

At most, two Music courses may count toward the General Education Program requirements.

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. Special fees will be assessed for all students except undergraduate music majors and minors (see "Costs and Fees" section of catalog). Applied music courses: MUS 149, 249, 349, 449; 151, 251, 351, 451; 152, 252, 352, 452; 153, 253, 353, 453; 155, 255, 355, 455; 156, 256, 356, 456; 157, 257, 357, 457; 158, 258, 358, 458; 159, 259, 359, 459; 160, 260, 360, 460.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 162, 262, 362, 462; 165, 265, 365, 465; 168, 268, 368, 468; 172, 272, 372, 472; 173, 273, 373, 473; 174, 274,

374, 474; 175, 275, 375, 475; 176, 276, 376, 476; 178, 278, 378, 478; 192, 292, 392, 492; 193, 293, 393, 493; 280, 380, 480.

Diploma in applied music

A diploma recital may be given by Bachelor of Arts 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.

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.

Bachelor of Music

Major(s)

Music (Comprehensive)

Bachelor of Music

Admission requirements

To be admitted to the degree program, students must audition for a committee of applied faculty in that student's major performance area. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in [MUS 103](#).

The degree is designed to develop the student's ability for either performance and private teaching or composition. It is also designed to prepare students for graduate study in the specialized area. All students (including transfer students) who wish to pursue the Bachelor of Music in Performance Degree must pass a performance hearing in order to be accepted into the program. This hearing should take place either prior to or at the end of the first semester of study.

Auditions

Students desiring to pursue a major or minor offered by the Department of Music 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 web site for 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.

Admission to degree program

All BA, BM, and BME majors must apply to 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 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. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103.

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (80-89 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
 1. Music Core Requirements (35 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 (6 hours-may be waived by examination): [MUS 137](#)(1), [138](#)(1), [237](#)(1), [238](#)(1), [337](#)(1), [338](#)(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 162](#)(1), [262](#)(1), [362](#)(1), [462](#)(1); [MUS 165](#)(1), [265](#)(1), [365](#)(1), [465](#)(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 151](#)(1), [251](#)(1), [351](#)(1), [451](#)(1)
 - b. Remaining hours in a single applied area (8 hours)
 - 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\(2-4\)](#)

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\(2-4\)](#)

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 162\(1\)](#), [262\(1\)](#), [362\(1\)](#), [462\(1\)](#); [MUS 165\(1\)](#), [265\(1\)](#), [365\(1\)](#), [465\(1\)](#); [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), must include [MUS 398\(2-4\)](#) and [MUS 498\(2-4\)](#)

e. **Vocal Performance**(52-53 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 162\(1\)](#), [262\(1\)](#), [362\(1\)](#), [462\(1\)](#); [MUS 165\(1\)](#), [265\(1\)](#), [365\(1\)](#), [465\(1\)](#); [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

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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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.

General education program restriction

At most, two Music courses may count toward the General Education Program requirements.

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. Special fees will be assessed for all students except undergraduate music majors and minors (see "Costs

and Fees" section of catalog). Applied music courses: MUS 149, 249, 349, 449; 151, 251, 351, 451; 152, 252, 352, 452; 153, 253, 353, 453; 155, 255, 355, 455; 156, 256, 356, 456; 157, 257, 357, 457; 158, 258, 358, 458; 159, 259, 359, 459; 160, 260, 360, 460.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 162, 262, 362, 462; 165, 265, 365, 465; 168, 268, 368, 468; 172, 272, 372, 472; 173, 273, 373, 473; 174, 274, 374, 474; 175, 275, 375, 475; 176, 276, 376, 476; 178, 278, 378, 478; 192, 292, 392, 492; 193, 293, 393, 493; 280, 380, 480.

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 313](#)(2) or [314](#)(2); [328](#)(2) or [518](#)(2); [512](#)(3), [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.

Music-Instrumental

Major(s)

Music-Instrumental (Comprehensive)

Bachelor of Music Education

(Certifiable grades K-12)

Admission requirements

To be admitted as a pre-major, students must audition for a committee of applied faculty in that student's major performance area. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103. To be fully admitted to the degree program, students must complete the requirements for MUS 104, MUS 298, and the piano proficiency exam.

Auditions

Students desiring to pursue a major or minor offered by the Department of Music 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 web site for 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.

Admission to degree program

All BA, BM, and BME majors must apply to 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 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. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (95 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. Music Education courses (46 hours): The program outlined below has been designed to provide the preparation of Bachelor of Music Education students and meet the requirements for certification in the secondary schools in Missouri. *Note: A grade of "C" or better in each course is required for state certification.*
 - a. Introduction to a Career in Music Education (1 hour): [MUS 148](#)(1)
 - b. Clinical and Field Experiences in Elementary and Secondary Music Education (3 hours): [MUS 200](#)(3)
 - c. Conducting (4 hours): [MUS 321](#)(2), [323](#)(2)
 - d. Techniques (7 hours): [MUS 131](#)(1), [133](#)(1), [141](#)(1), [142](#)(1), [144](#)(1), [145](#)(1), [146](#)(1)
 - e. Adaptive Music for Special Learners (2 hours): [MUS 340](#)(2)
 - f. Band (String) Administration and Materials (3 hours): [MUS 506](#)(3) or [539](#)(3)
 - g. Foundations of American Education (3 hours): [EDC 350](#)(3)
 - h. Educational Psychology (3 hours): [PSY 360](#)(3)
 - i. Reading and Writing in the Content Fields (2 hours): [RDG 474](#)(2)
 - j. Secondary Instrumental Methods and Materials (3 hours): [MUS 411](#)(3)
 - k. Teaching of Music in the Grades (Elementary Methods) (3 hours): [MUS 430](#)(3)
 - l. Student Teaching Seminar (2 hours): [MUS 488](#)(2)
 - m. Supervised Teaching (10 hours): [MUS 494](#)(5), [496](#)(5). Subject to the standard guidelines for Field Service Experience in the College of Education
 4. Piano (3 hours – may be waived by examination): [MUS 137](#)(1), [138](#)(1), [237](#)(1)
 5. Instrumentation (2 hours): [MUS 328](#)(2)
 6. Applied Music-Major Instrument: (14 hours), must include [MUS 498](#)(2-4)
 7. Recital Attendance: [MUS 107](#)(0), [108](#)(0), [207](#)(0), [208](#)(0), [307](#)(0), [308](#)(0), [407](#)(0)
 8. Upper Division Applied Status: [MUS 298](#)(0)
 9. Large Ensemble (7 hours) As determined by audition, Full-time students shall be in one of the following

instrumental 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 175\(1\)](#), [275\(1\)](#), [375\(1\)](#), [475\(1\)](#); [MUS 176\(1\)](#), [276\(1\)](#), [376\(1\)](#), [476\(1\)](#). Refer to the Music Major Handbook for a list of large ensembles.

Note: Applied keyboard majors may substitute up to three hours of Accompanying: [MUS 192\(1\)](#), [292\(1\)](#), [392\(1\)](#), [492\(1\)](#). Wind, Brass and Percussion majors must be in a band (except the Community Band, which cannot fulfill the large ensemble requirement) each semester except for the supervised teaching semester. At least two of these semesters must be spent in marching band.

- 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 - see [General Baccalaureate Degree Requirements](#) section of catalog
- E. In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Music Education degree are required to meet the following grade point average requirements: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (Music), which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the music education courses; and no grade lower than a "C" in all music education courses. All GPA requirements include both Missouri State and transfer grades.
- F. Additionally, students must pass all sections of the Missouri State Board of Education entry examination and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

Performance concentration

All Bachelor of Music Education majors must concentrate in at least one major field of performance and perform a senior recital (MUS 498).

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.

General education program restriction

At most, two Music courses may count toward the General Education Program requirements.

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. Special fees will be assessed for all students except undergraduate music majors and minors (see "Costs and Fees" section of catalog). Applied music courses: MUS 149, 249, 349, 449; 151, 251, 351, 451; 152, 252, 352, 452; 153, 253, 353, 453; 155, 255, 355, 455; 156, 256, 356, 456; 157, 257, 357, 457; 158, 258, 358, 458; 159, 259, 359, 459; 160, 260, 360, 460.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 162, 262, 362, 462; 165, 265, 365, 465; 168, 268, 368, 468; 172, 272, 372, 472; 173, 273, 373, 473; 174, 274, 374, 474; 175, 275, 375, 475; 176, 276, 376, 476; 178, 278, 378, 478; 192, 292, 392, 492; 193, 293, 393, 493; 280, 380, 480.

Diploma in applied music

A diploma recital may be given by Bachelor of Arts 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 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 (4 hours) select from: [MUS 135\(1\)](#), [136\(1\)](#), [235\(1\)](#), [236\(1\)](#)
 2. Singing Diction (2 hours): [MUS 294\(2\)](#)
 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 162\(1\)](#), [262\(1\)](#), [362\(1\)](#), [462\(1\)](#); [MUS 165\(1\)](#), [265\(1\)](#), [365\(1\)](#), [465\(1\)](#); [MUS 168\(1\)](#), [268\(1\)](#), [368\(1\)](#), [468\(1\)](#)
- B. Instrumental Endorsement for Vocal 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\(1\)](#), [139\(1\)](#), [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 Requirements

To be admitted as a pre-major, students must audition for a committee of applied faculty in that student's major performance area. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103. To be fully admitted to the degree program, students must complete the requirements for MUS 104, MUS 298, and the piano proficiency exam.

Auditions

Students desiring to pursue a major or minor offered by the Department of Music 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 web site for 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.

Admission to degree program

All BA, BM, and BME majors must apply to 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 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. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (94 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. Music Education courses (45 hours): The program outlined below has been designed to provide the preparation of Bachelor of Music Education students and meet the requirements for certification in the secondary schools in Missouri. **Note:** A grade of "C" or better in each course is required for state certification.
 - a. Introduction to a Career in Music Education (1 hour): [MUS 148](#)(1)
 - b. Principles and General Methods of Music Education (3 hours): [MUS 200](#)(3)*
 - c. Conducting (4 hours): [MUS 321](#)(2), [322](#)(2)
 - d. Diction (2 hours): [MUS 294](#)(1), [295](#)(1)
 - e. Guitar for the Music Educator (1 hour): [MUS 133](#)(1)
 - f. Adaptive Music for Special Learners (2 hours): [MUS 340](#)(2)
 - g. Vocal Pedagogy and Materials (3 hours): [MUS 530](#)(3)
 - h. Foundations of American Education (3 hours): [EDC 350](#)(3)
 - i. Educational Psychology (3 hours): [PSY 360](#)(3)
 - j. Reading and Writing in the Content Fields (2 hours): [RDG 474](#)(2)
 - k. Middle Childhood and Preadolescent Vocal Methods and Material (3 hours): [MUS 410](#)(3)* (includes vocal techniques and choral literature)
 - l. Teaching of Music in the Grades (3 hours): [MUS 430](#)(3)* (includes vocal techniques and choral literature)
 - m. Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels (3 hours): [MUS 510](#)(3)* (includes vocal techniques and choral literature)
 - n. Student Teaching Seminar (2 hours): [MUS 488](#)(2)
 - o. Supervised Teaching (10 hours): [MUS 494](#)(5), [496](#)(5). Subject to the standard guidelines for Field Service Experience in the College of Education.

*These courses meet DESE assessment and classroom management competencies.

- 4. Piano (3 hours – may be waived by examination): [MUS 137](#)(1), [138](#)(1), [237](#)(1)
- 5. Choral Arranging (2 hours): [MUS 518](#)(2)

6. Applied Music (14 hours): [MUS 498](#)(2), and 12 additional hours from [MUS 153](#)(2), [253](#)(2), [353](#)(2), [453](#)(2)
 7. Recital Attendance: [MUS 107](#)(0), [108](#)(0), [207](#)(0), [208](#)(0), [307](#)(0), [308](#)(0), [407](#)(0)
 8. Upper Division Applied Status: [MUS 298](#)(0)
 9. 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 162](#)(1), [262](#)(1), [362](#)(1), [462](#)(1); [MUS 165](#)(1), [265](#)(1), [365](#)(1), [465](#)(1); [MUS 168](#)(1), [268](#)(1), [368](#)(1), [468](#)(1). Refer to the Music Major Handbook for a list of large ensembles.
- 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 - see [General Baccalaureate Degree Requirements](#) section of catalog
- E. In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Music Education degree are required to meet the following grade point average requirements: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (Music), which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the music education courses which includes all courses listed under B3; and no grade lower than a "C" in all music education courses. All GPA requirements include both Missouri State and transfer grades.
- F. Additional, students must pass all sections of the Missouri State Board of Education entry examination and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education

Performance concentration

All Bachelor of Music Education majors must concentrate in at least one major field of performance and perform a senior recital (MUS 498).

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.

General education program restriction

At most, two Music courses may count toward the General Education Program requirements.

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. Special fees will be assessed for all students except undergraduate music majors and minors (see "Costs and Fees" section of catalog). Applied music courses: MUS 149, 249, 349, 449; 151, 251, 351, 451; 152, 252, 352, 452; 153, 253, 353, 453; 155, 255, 355, 455; 156, 256, 356, 456; 157, 257, 357, 457; 158, 258, 358, 458; 159, 259, 359, 459; 160, 260, 360, 460.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 162, 262, 362, 462; 165, 265, 365, 465; 168, 268, 368, 468; 172, 272, 372, 472; 173, 273, 373, 473; 174, 274, 374, 474; 175, 275, 375, 475; 176, 276, 376, 476; 178, 278, 378, 478; 192, 292, 392, 492; 193, 293, 393, 493; 280, 380, 480.

Diploma in applied music

A diploma recital may be given by Bachelor of Arts 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 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 (4 hours) select from: [MUS 135](#)(1), [136](#)(1), [235](#)(1), [236](#)(1)
 2. Singing Diction (2 hours): [MUS 294](#)(2)
 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 162](#)(1), [262](#)(1), [362](#)(1), [462](#)(1); [MUS 165](#)(1), [265](#)(1), [365](#)(1), [465](#)(1); [MUS 168](#)(1), [268](#)(1), [368](#)(1), [468](#)(1)
- B. Instrumental Endorsement for Vocal 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\(1\)](#), [139\(1\)](#), [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

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 and March of each year. Specific information as to the date and the process is available through the Department of Theatre and Dance.

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (83 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
 - a. Acting (14 hours): [THE 121](#)(3), [221](#)(3), [321](#)(3), [421](#)(3), [451](#)(2)
 - b. Applied Voice (11 hours): [MUS 298](#)(0), [498](#)(2-4); and from [MUS 153](#)(1), [253](#)(1), [353](#)(1), and [453](#)(1)
 - c. Stage Voice and Movement (9 hours): [THE 122](#)(3), [226](#)(2), [328](#)(3), [424](#)(1)
 - d. History/analysis (9 hours): [THE 130](#)(3); [MUS 343](#)(3), [344](#)(3)
 - e. 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)
 - f. Musicianship (4 hours): [MUS 103](#)(3), [137](#)(1)
 - g. Dance (12 hours): [DAN 216](#)(2), [230](#)(3); and select (by placement) 4-5 hours from [DAN 130](#)(2), [131](#)(2), [245](#)(3), [323](#)(2); and 1-2 hours from [DAN 125](#)(2), [225](#)(2), [325](#)(1)
 - h. Musical Theatre Practicum (8 hours) select from: [MUS 193](#)(1), [280](#)(2), [380](#)(2), [480](#)(2); [THE 495](#)(1)
 - i. Electives (6 hours): choose from Theatre, Music, or Dance courses with approval of advisor
- 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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.

Recording Arts

Minor(s)

Recording Arts

Bachelor of Arts

Bachelor of Music

Bachelor of Science

- A. Basic Theory (3 hours): [MUS 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.

Music

Major(s)

Music (Non-Comprehensive)

Bachelor of Arts

Admission requirements

To be admitted to the degree program, students must audition for a committee of applied faculty in that student's major performance area. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103.

Auditions

Students desiring to pursue a major or minor offered by the Department of Music 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 web site for 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.

Admission to degree program

All BA, BM, and BME majors must apply to 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 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. Students must also have a passing score on the Music Theory Entrance Exam before enrolling in MUS 103.

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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) select from: [MUS 204](#)(3), [313](#)(2), [314](#)(2), [315](#)(2), [321](#)(2), [327](#)(2), [328](#)(2), [512](#)(3), [518](#)(2), [523](#)(2), [524](#)(2), [529](#)(3), [543](#)(3), [544](#)(3), [545](#)(3), [546](#)(3), [547](#)(3), [548](#)(2)
 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)
- 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 Requirements for Bachelor of Arts Degree - see [Specific Bachelor of Arts Degree Requirements](#) section of catalog
- F. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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.

General education program restriction

At most, two Music courses may count toward the General Education Program requirements.

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. Special fees will be assessed for all students except undergraduate music majors and minors (see "Costs and Fees" section of catalog). Applied music courses: MUS 149, 249, 349, 449; 151, 251, 351, 451; 152, 252, 352, 452; 153, 253, 353, 453; 155, 255, 355, 455; 156, 256, 356, 456; 157, 257, 357, 457; 158, 258, 358, 458; 159, 259, 359, 459; 160, 260, 360, 460.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 162, 262, 362, 462; 165, 265, 365, 465; 168, 268, 368, 468; 172, 272, 372, 472; 173, 273, 373, 473; 174, 274,

374, 474; 175, 275, 375, 475; 176, 276, 376, 476; 178, 278, 378, 478; 192, 292, 392, 492; 193, 293, 393, 493; 280, 380, 480.

Diploma in applied music

A diploma recital may be given by Bachelor of Arts 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.

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.

Department of Theatre and Dance

Programs

Includes accelerated master's option

Undergraduate

[Dance](#) (Minor)

[Theatre](#) (Minor)

[Musical Theatre](#) (BFA)

[Theatre and Dance](#) (BFA)

[Speech and Theatre Education](#) (BSEd)

[Theatre Studies](#) (BA)

Graduate

[Secondary Education with an option in Speech and Theatre](#)
(MSEd)

[Theatre](#) (MA)

Accreditation

- National Association of Schools of Theatre – Musical Theatre (BFA), Speech and Theatre Education (BSEd), and Theatre (BA, BFA, MA)
- Missouri Department of Elementary and Secondary Education – Speech and Theatre (BSEd), and Secondary Education/Speech and Theatre (MSEd)
- National Council for Accreditation of Teacher Education – Speech and Theatre (BSEd), and Secondary Education/Speech and Theatre (MSEd)

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, including plays, musicals, operas, children's plays, and performance pieces, are presented each year. Productions directed by students, both graduate and undergraduate, are also presented. Through participation in these productions, students gain practical experience in constructing and painting scenery, making costumes, applying makeup, light control technology and 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 forty 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, prepares a presentation to tour to area elementary schools and a concert program for adult audiences.

Program requirements and restrictions

Contact

Department head

Robert H. Willenbrink, PhD

Office

Craig Hall, Room 355

Phone

417-836-4400

Fax

417-836-4234

Email

TheatreandDance@missouristate.edu

Website

theatreanddance.missouristate.edu

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.

Bachelor of Arts fine arts restriction

Students seeking a Bachelor of Arts degree in Theatre Studies may not use courses toward both the major and the Fine Arts requirement.

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Department of Theatre and Dance

Programs

Includes accelerated master's option

Undergraduate

[Dance](#) (Minor)

[Theatre](#) (Minor)

[Musical Theatre](#) (BFA)

[Theatre and Dance](#) (BFA)

[Speech and Theatre Education](#) (BSEd)

[Theatre Studies](#) (BA)

Graduate

[Secondary Education with an option in Speech and Theatre](#) (MSEd)

[Theatre](#) (MA)

Accreditation

- National Association of Schools of Theatre – Musical Theatre (BFA), Speech and Theatre Education (BSEd), and Theatre (BA, BFA, MA)
- Missouri Department of Elementary and Secondary Education – Speech and Theatre (BSEd), and Secondary Education/Speech and Theatre (MSEd)
- National Council for Accreditation of Teacher Education – Speech and Theatre (BSEd), and Secondary Education/Speech and Theatre (MSEd)

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Contact

Interim department head

Christopher J. Herr, PhD

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Theatre and Dance Faculty

(as of July 23, 2013)

Professors

[Robert Little, MFA](#)

[Robert H. Willenbrink, PhD](#)

[Cynthia Winstead, MFA](#)

Associate professors

[Ruth Barnes, MFA](#)

[Sara Brummel, MFA](#)

[Micheal Foster, MFA](#)

[Kurt Heinlein, PhD](#)

[Christopher J. Herr, PhD](#)

[Carol J. Maples, EdD](#)

[Mark Putman, MFA](#)

Assistant professors

[Darryl Clark, MFA](#)

[Telory W. Davies, PhD](#)

[Maggie Marlin, MFA](#)

[Sarah Wiggin, MFA](#)

Managing director

[Mark Templeton, MA](#)

Technical director

[Christopher DePriest, MFA](#)

Scene shop manager

[Anna Hunt, BSEd](#)

Costume shop manager

[Brad Ferguson, BFA](#)

Musical theatre musician

[Heather Luellen, BM](#)

Emeritus professors

Byrne D. Blackwood, PhD

Robert H. Bradley, PhD

Kathrine Brown, MFA

[Sharon Ellis, MA](#)

[Rhythm McCarthy, MFA](#)

Alice McElhaney, MA

John McElhaney, PhD

Chyrel Miller, MA

Emeritus staff

Ray Castrey, BM

Gloria Reed

Theatre and Dance Courses

Dance (DAN) courses

DAN 117 Modern Dance I-B

Prerequisite: permission of instructor.

Continues to explore the basic elements of modern dance technique and new ways of moving. Designed for students with at least one year of formal dance training. Variable content course. May be repeated to a maximum of 4 hours.

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4

Typically offered: Fall, Spring

[Projected offerings](#)

DAN 125 Tap Dance I

Basic elements of tap dance, stylized steps and terminology coordinated with the rhythmic structure of tap dance.

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4

Typically offered: Fall, Spring

[Projected offerings](#)

DAN 130 Dance Fundamentals I

First course in the fundamentals of classical ballet and modern dance techniques, with an emphasis on alignment and basic movement vocabulary. Designed for students with little or no experience. First course in a two-semester module. Variable content course. May be repeated to a maximum of 6 hours.

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4

Typically offered: Fall

[Projected offerings](#)

DAN 131 Dance Fundamentals II

Prerequisite: DAN 130.

Second course in the fundamentals of classical ballet and modern dance techniques, with an emphasis on alignment and basic movement 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:** 0 **Lab contact hours:** 4

Typically offered: Spring

[Projected offerings](#)

DAN 146 Jazz Dance I-B

Prerequisite: permission of instructor.

Continues development of the basic fundamentals of jazz dance technique and vocabulary. Designed for students with at least one year of formal dance training. May be repeated to a total of 4 hours.

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4

Typically offered: Fall, Spring

[Projected offerings](#)

DAN 180 Introduction to the Dance

General Education Course (Self-Understanding/Creativity and Vision Perspective).

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

DAN 335 Mens 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:** 0 **Lab contact hours:** 4

Typically offered: Spring (even-numbered years)

[Projected offerings](#)

DAN 364 Applied Kinesiology for the Dancer

Prerequisite: KIN 250.

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.

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:** 0 **Lab contact hours:** 4

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 Mens 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](#)

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 452 History of Dance II

Prerequisite: 60 hours.

Overview of the history of dance from the 17th century to the present. The primary focus will be on the development of modern/contemporary dance.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring (even-numbered years)

[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

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: DAN 216.

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 Styles

Prerequisite: permission of instructor.

Students will continue to refine 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. Students will also have the opportunity to sing or act, or both, as is appropriate to the numbers that are mastered.

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4

Typically offered: Upon demand

[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](#)

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.

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 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.

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 (Self-Understanding/Creativity and Vision Perspective).

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

General Education Course (Self-Understanding/Creativity and Vision Perspective).

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

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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.

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

[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 II: Writing for Theatre

Prerequisite: ENG 110 or equivalent and 30 hours.

General Education Course (Basic Required Courses). 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. May not be counted toward a BFA in Theatre/Performance or Musical Theatre.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

THE 522 Auditioning and Acting for the Camera

[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](#)

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.

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.

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

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

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

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.

[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

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.

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

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.

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 B.S. in Education (Secondary). A grade of "C" or better is required in this course in order to take THE 490 or THE 491. May not 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](#)

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

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 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.

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. Course will not count toward the major GPA. May not 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. Course will not count toward the major GPA. May not receive credit for both THE 491 and COM 491. Supplemental course fee.

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. Required of all BFA majors.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

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](#)

Dance

Minor(s)

Dance

Bachelor of Arts

Bachelor of Science

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), [452](#)(3), [499](#)(1), [565](#)(4), [592](#)(1) to bring total hours in minor to 18.

Musical Theatre

Major(s)

Musical Theatre

Bachelor of Fine Arts

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.

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (83 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
 - a. Acting (14 hours): [THE 121](#)(3), [221](#)(3), [321](#)(3), [421](#)(3), [451](#)(2)
 - b. Applied Voice (11 hours): [MUS 298](#)(0), [498](#)(2-4); and from [MUS 153](#)(1), [253](#)(1), [353](#)(1), and [453](#)(1)
 - c. Stage Voice and Movement (9 hours): [THE 122](#)(3), [226](#)(2), [328](#)(3), [424](#)(1)
 - d. History/analysis (9 hours): [THE 130](#)(3); [MUS 343](#)(3), [344](#)(3)
 - e. 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)
 - f. Musicianship (4 hours): [MUS 103](#)(3), [137](#)(1)
 - g. Dance (12 hours): [DAN 216](#)(2), [230](#)(3); and select (by placement) 4-5 hours from [DAN 130](#)(2), [131](#)(2), [245](#)(3), [323](#)(2); and 1-2 hours from [DAN 125](#)(2), [225](#)(2), [325](#)(1)
 - h. Musical Theatre Practicum (8 hours) select from: [MUS 193](#)(1), [280](#)(2), [380](#)(2), [480](#)(2); [THE 495](#)(1)
 - i. Electives (6 hours): choose from Theatre, Music, or Dance courses with approval of advisor
- 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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.

Speech and Theatre Education

Major(s)

Speech and Theatre Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
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\(3\)](#)
- C. Professional Education Courses
1. [THE 417\(3\)](#), [THE 490\(6\)](#), [THE 491\(6\)](#)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Theatre

Minor(s)

Theatre

Bachelor of Arts

Bachelor of Science

- 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 Requirements - see [General Education Program and Requirements](#) section of catalog
 Note: Six hours of the General Education Humanities Requirement may not be included in the courses fulfilling the major.
- 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)
 - c. History (6 hours): [THE 541](#)(3); and [THE 542](#)(3) or [DAN 452](#)(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: [THE 492](#)(1) or [DAN 492](#)(1)
 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.
 - 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)

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\(3\)](#)

C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in theatre

Eligible Missouri State undergraduate theatre majors may apply for preliminary acceptance into the Theatre program after admission requirements for the accelerated master's option are met. If a student is accepted, the undergraduate requirements of up to nine hours of 600-level theatre courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). These courses will include, except in rare circumstances, [THE 631](#) (3 hours) and [THE 632](#) (3 hours). This option allows student with exceptional academic achievements to complete the coursework for both a bachelor's and a master's degree in 10 semesters with additional time as needed for the completion of the research requirement.

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.

Theatre Studies

Major(s)

Theatre Studies

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major requirements (41-42 hours). Note: Courses counted for the major may **not** also be counted for the Bachelor of Arts-Fine Arts requirement.
1. Theatre Reading and Writing (6 hours): [THE 130](#)(3), [210](#)(3)
 2. Acting and Directing (9 hours): [THE 122](#)(3), [222](#)(3), [430](#)(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. Performance Theory and Practice (3 hours): [THE 323](#)(3)
 6. [THE 515](#)(3)
 7. Elective (8-9 hours): choose from the following recommended focus areas or from other advisor approved DAN and THE courses.
 - a. Performance Focus: [THE 422](#)(3), [510](#)(3), [511](#)(3) or [522](#)(3)
 - b. Dance Focus: [DAN 216](#)(3), [320](#)(2), [420](#)(2), [452](#)(3)
 - c. History and Theory Focus: [THE 543](#)(3), [545](#)(3), [547](#)(3)
 - d. Social Change Focus: [THE 505](#)(3), [506](#)(3), [THE 497](#) or [DAN 497](#) (Topic: Educational Outreach)
- C. Minor Required (or second major)
- 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

Department of Art and Design

Programs

Includes accelerated master's option

Undergraduate

[Art](#) (BFA, Minor)

[Design](#) (BFA, Minor)

[Art and Design](#) (BA)

[Electronic Arts](#) (BS)

[Art and Design Education](#) (BSEd)

[Museum Studies](#) (Minor)

[Art History](#) (BFA, Minor)

Graduate

[Secondary Education with an option in Art](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Art and Design (BSEd), and Secondary Education/Art (MSEd)
- National Council for Accreditation of Teacher Education – Art and Design (BSEd), and Secondary Education/Art (MSEd)

General information

Waiver of ART 100

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. It contains extensive studio facilities for Two and Three Dimensional Foundations studies, Drawing, Painting, Sculpture, Art Education, and the Brick City Galleries. Student work is displayed within the Brick City facilities throughout the year.

The Art and Design Department has its department offices in the Ellis Fine Arts Building, Room 308. This floor also includes the Visual Resources Collection, a photo critique/lecture room, and facilities for the metals/jewelry courses. On the main (second) floor of Ellis Hall are facilities for ceramics with several kilns and workspaces behind the main building. There is a large lecture room for Art History and Appreciation courses also located on this floor. The fourth floor houses photographic and printmaking studios. Additional studios and classrooms for Photography and Digital Imaging are located in Pummill Hall.

The ground floor of Hill Hall, adjacent to Ellis Hall on the west, houses the foundry. This facility has two large furnaces appropriate for sculpture classes for metal casting.

The Jim D. Morris Center for Continuing Education is the home of the Graphic Design, Illustration, and Computer Animation programs. The fifth floor holds two regularly updated computer labs. Graphic design classes utilize a Mac Lab while a PC Lab is available for computer animation. In addition to the labs, traditional studio areas are available for student work.

The Duane G. Meyer Library maintains an extensive collection of art and design

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periodicals as well as books relating to art and design history

Brick City Galleries, 215 W. Mill St., (417) 836-6794,
<http://art.missouristate.edu/brickcitygallery.htm>. 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.

Student Exhibition Center, 838 E. Walnut St., (417) 836-6999,
<http://sec.missouristate.edu/>. Located near campus on historic Walnut Street and John Q. Hammons Parkway, this 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.

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Office of the Registrar

Undergraduate Catalog

2013-14 first edition, July 2013

[Missouri State](#) > [Undergraduate Catalog](#) > College of Business

Academic units

School of Accountancy

Department of Computer
Information SystemsDepartment of Fashion and Interior
DesignDepartment of Finance and General
Business

Department of Management

Department of Marketing

Department of Technology and
Construction Management

Catalog resources

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Additional resources

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College of Business

Programs

Includes accelerated master's option

Undergraduate

[Accounting](#) (BS, Minor)[Advertising and Promotion](#) (Minor)[Business Education](#) (BSEd, Minor)[Computer Information Systems](#) (BS, Minor)[Construction Management](#) (BS)[Entertainment Management](#) (BS)[Entrepreneurial Studies](#) (Minor)[Entrepreneurship](#) (BS, Minor)[Entrepreneurship](#) (Certificate)[Facility Management](#) (BS)[Family and Consumer Sciences](#) (BSEd)[Fashion Merchandising and Design](#) (BS)[Finance](#) (BS, Minor)[Financial Planning](#) (Minor)[General Business](#) (BS, Minor)[General Family and Consumer Sciences](#) (Minor)[Housing and Interior Design](#) (Minor)[Human Resources Management/Industrial-Relations](#) (Minor)[Industrial Management](#) (Minor)[Information Technology Service Management](#) (BS, Minor)[Interior Design](#) (BS)[International Management](#) (Minor)[International Marketing](#) (Minor)[Leadership](#) (Minor)[Legal Studies in Business](#) (Minor)[Logistics and Supply Chain Management](#) (BS, Minor)[Management](#) (BS, Minor)[Manufacturing Management](#) (Certificate)[Marketing](#) (BS, Minor)[Operations Management](#) (Minor)[Real Estate](#) (Minor)[Risk Management and Insurance](#) (BS, Minor)[Selling](#) (Minor)[Technology Management](#) (BAS, BS)[Web Application Development](#) (Minor)

Graduate

[Accountancy, Master of](#) (MAcc)[Business Administration, Master of](#) (MBA)[Computer Information Systems](#) (MS)[Forensic Accounting](#) (Certificate)[Health Administration, Master of](#) (MHA)[Health Administration](#) (Certificate)[Project Management](#) (MS)[Project Management](#) (Certificate)[Secondary Education with an option in Business](#) (MSEd)[Secondary Education with option in Family and Consumer
Sciences](#) (MSEd)[Tax Accounting](#) (Certificate)[Technology Management](#) (Certificate)

COB admission and program requirements

Programs within the business unit

- School of Accountancy
- Department of Computer Information Systems
- Department of Finance and General Business
- Department of Management
- Department of Marketing

Accreditation

The business unit is fully accredited by AACSB-International – The Association to Advance Collegiate Schools of Business.

Programs outside the business unit

- Department of Technology and Construction Management: The Department's Construction Management program is accredited by the American Council for Construction Education (ACCE).
- Department of Fashion and Interior Design: The Department's Family and Consumer Sciences BSEd and MEd programs are accredited by the Missouri Department of Elementary and Secondary Education and National Council for Accreditation of Teacher Education.

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

- **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

Contact

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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 seven 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 106, (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 Department of Fashion and Interior 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 Computer Information Systems](#) section of catalog for details.

Courses required for admission

1. Accounting: [ACC 201](#)(3) and [211](#)(3); or [ACC 206](#)(4)
2. Computers for Learning: [CIS 101/CSC 101](#)(2). May be waived by [proficiency exam](#).
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. The intent of the College of Business is to limit admissions to a total of 2,000 majors at the combined junior and senior levels. However, all applicants whose combined grade point average is 2.50 or higher will be admitted. Factors in addition to grade point average may be considered in unusual cases, but exceptions to the prevailing minimum grade point average will be limited to five percent of the 2,000 majors at the combined junior and senior levels.

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. Students should contact the [Business Advisement Center](#) regarding the granting of special permission to register. 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.

Program requirements

In addition to the General Education and General Baccalaureate Degree Requirements, all Bachelor of Science and Bachelor of Science in Education degree 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**
 - a. [ACC 201](#)(3) and [ACC 211](#)(3); or [ACC 206](#)(4)
 - b. [CIS 201](#)(2)
 - c. [ECO 155](#)(3) and [ECO 165](#)(3). *Note: ECO 155 may also be used toward General Education requirements.*
 - d. [FIN 380](#)(3)
 - e. [LAW 231](#)(3) and [LAW 332](#)(1)
 - f. [MGT 286](#)(3) and [MGT 340](#)(3) and [MGT 487](#)(3)

- g. [MKT 350](#)(3)
- h. [PSY 121](#)(3) *Note: PSY 121 may also be used toward General Education requirements.*
- i. [QBA 237](#)(3)
- j. [ACC 341](#)(3) required for Accounting majors; or [CIS 461](#)(3) required for Computer Information Systems majors; or [CIS 429](#)(3) required for all other majors
- k. [MGT 364](#)(3) or [MKT 450](#)(3) required for Marketing majors; or [MGT 364](#)(3) required for all other majors

C. Globalization Requirement

All business majors are required to complete six hours from the following Globalization courses. The College of Business strongly encourages students to complete six hours from one foreign language to complete the Globalization Requirement.

- a. **Foreign Language Courses:** ARB, CHI, FRN, GRK, GRM, HBW, ITL, JPN, LTN, PTG, RUS, SPN
- b. Foreign Culture Courses:
 - a. Anthropology: [ANT 100](#), [226](#), [330](#), [331](#), [332](#), [334](#), [335](#)
 - b. Economics: [ECO 346](#), [456](#), [565](#)
 - c. English: [ENG 341](#), [361](#)
 - d. Geography: [GRY 100](#), [305](#), [308](#), [320](#), [321](#), [323](#), [328](#)
 - e. Global Studies: [GBL 250](#)
 - f. History: [HST 200](#), [340](#), [350](#), [355](#), [380](#), [381](#)
 - g. Interdisciplinary Studies: [IDS 397](#)
 - h. Language: [LLT 215](#), [225](#), [MCL 303](#)
 - i. Music: [MUS 239](#) *Note: May also be used toward General Education requirements.*
 - j. Political Science: [PLS 205](#), [232](#), [544](#), [545](#), [548](#), [550](#)
 - k. Religious Studies: [REL 210](#), [330](#), [350](#), [355](#), [360](#). *Note: REL 210 may also be used toward General Education requirements.*
 - l. Sociology: [SOC 150](#)
- c. Approved International Study Courses
- d. Business Courses: only one of the following may count toward the globalization requirement: [ACC 506](#), [FIN 582](#), [FIN 586](#), [LAW 539](#), [MGT 447](#), [MKT 464](#), [MKT 474](#)

D. **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: [CIS 101](#), [QBA 237](#) and [QBA 337](#), and all courses offered in the Department of Technology and Construction Management and Department of Fashion and Interior Design.

E. Other Requirements

- a. 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.
- b. 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. Students who enter the College of Business with an understanding of computer concepts, knowledge of common software used, and BASIC programming skills may waive [CIS 101](#) by a [proficiency examination](#).

Enrollment by non-Business students

Students seeking degrees outside the College of Business, including majors in the Department of Technology and Construction Management and Department of Fashion and Interior 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

Includes accelerated master's option

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 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.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

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.

Contact

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Accountancy Faculty

(as of July 23, 2013)

Professors

[David B. Byrd, PhD](#)

[Sandra D. Byrd, CPA, PhD](#)

[Sidney R. Ewer, PhD, CIA, CPA \(inactive-Tennessee\)](#)

[Olen L. Greer, PhD, CMA](#)

[Lester E. Heitger, PhD, CPA](#)

[James C. Lampe, PhD, CPA](#)

[Debra H. Oden, LL.M.-Tax, JD, CPA](#)

[Stevan K. Olson, PhD, CPA](#)

[George D. Schmelzle, PhD](#)

Associate professors

[Phillip D. Harsha, PhD, CIA](#)

[A. Craig Keller, PhD](#)

[Carl E. Keller, Jr., PhD, CPA \(inactive\)](#)

[Geanie W. Margavio, PhD, CPA](#)

[John R. Williams, Sr., PhD, CPA](#)

Assistant professor

[Paul A. Ashcroft, PhD, CPA](#)

[Christopher S. Hines, PhD, CPA](#)

Senior instructor

[Michael R. Hammond, MAcc, CPA](#)

Instructors

[Samuel J. Bass, MAcc](#)

[Anita V. Brand, MBA](#)

[Kerri L. Tassin, MTax, JD](#)

Emeritus faculty

[Ronald R. Bottin, PhD](#)

[Wilbur Bridges, MBA](#)

Kenneth W. Brown, PhD

[Radie G. Bunn, MS Tax, JD](#)

[M. Virginia Cerullo, PhD](#)

[Michael J. Cerullo, PhD](#)

[Kurt E. Chaloupecky, PhD](#)

[Terry L. Loveland, MAcc](#)

[Jon R. Nance, PhD](#)

[Richard L. Nichols, PhD](#)

Keith B. Scott, PhD

Sarah L. Thompson, MT

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 credit 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. Credit by examination is available. 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. May not 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 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.

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.

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.

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

ACC 311. A grade of "B" or better is required in this course to take ACC 301. This course may not 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.

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. May not be taken Pass/Not Pass.

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. May not be taken Pass/Not Pass.

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

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.

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 301 and ACC 302 and ACC 311 and ACC 321 and ACC 341 and ACC 300; 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.

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

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. May not be taken Pass/Not Pass.

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. May not 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.

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 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 or concurrent enrollment in ACC 504 or ACC 604; and admitted to MACC program.

Case studies of the application of major authoritative financial accounting pronouncements to integrated financial accounting problems; emphasis on the impact of accounting pronouncements on financial reporting, the changing trend in accounting theory and the possible future development of accounting pronouncements.

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](#)

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 credit 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.

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.

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

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 problems and contemporary issues in cost accounting. An introduction to selected quantitative techniques used by accountants to solve cost accounting problems.

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 731 Control of Non-Profit Organizations

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.

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 credit 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.

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 301 and ACC 302 and ACC 311 and ACC 321 and ACC 341 and ACC 300; and undergraduate business majors must be admitted to degree program.

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.

External auditing procedures; implementing auditing standards; verifying adherence to generally accepted accounting principles; importance of the auditor's attest function.

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

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 not be taken Pass/Not Pass. May be taught concurrently with ACC 653. Cannot receive credit for both ACC 553 and ACC 653.

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 credit 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 credit 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 MS in Administrative 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. 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](#)

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 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 credit 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](#)

Accounting

Major(s)

Accounting (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- C. Major Requirements
 1. [ACC 300](#)(2), [301](#)(3), [302](#)(3), [311](#)(3), [321](#)(3), [341](#)(3), [553](#)(3)
 2. Complete 3 courses from: [ACC 504](#)(3), [506](#)(3), [513](#)(3), [524](#)(3), [525](#)(3), [532](#)(3), [555](#)(3), [556](#)(3)
 3. Note: 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Accounting

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

- A. [ACC 201](#)(3)*, [211](#)(3)*, [301](#)(3)
 - * [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 Master of Accountancy

Eligible Missouri State undergraduate students majoring in accounting may apply for preliminary acceptance into the Master of Accountancy degree program as early as the second semester of the junior year. If accepted, up to six hours of 600-level accounting courses may be counted toward both the undergraduate and graduate degree programs (Mixed Credit). This program allows accounting majors to obtain the Master of Accountancy degree in five years with a total of 152 semester hours rather than the normal 158 semester hours. Refer to the [Graduate Catalog](#) or contact the School of Accountancy for further information and guidelines.

Accelerated Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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 Computer Information Systems

Programs

Includes accelerated master's option

Undergraduate

[Business Education](#) (BSEd, Minor)

[Information Technology Service Management](#) (BS, Minor)

[Computer Information Systems](#) (BS, Minor)

[Web Application Development](#) (Minor)

Graduate

[Computer Information Systems](#) (MS)

[Master of Business Administration](#) (MBA) Administered by the College of Business

[Secondary Education with an option in Business](#) (MSEd)

Accreditation

- AACSB International – The Association to Advance Collegiate Schools of Business – all programs
- Missouri Department of Elementary and Secondary Education – Business Education (BSEd), and Secondary Education/Business Education (MSEd)
- National Council for Accreditation of Teacher Education – Business Education (BSEd), and Secondary Education/Business Education (MSEd)

General information

Computers for Learning proficiency examination

Students may take a proficiency examination to determine if they already possess the computer-related knowledge and skills comprising the Computers for Learning requirement (CIS 101, CSC 101, CSC 111). Those who pass this exam will be excused from, but will not receive credit for, the Computers for Learning requirement. For more information contact the Computers for Learning Office, Kings Street Annex, room 216, (417) 836-6120, or visit the [Computers for Learning website](#).

Contact

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Computer Information Systems Faculty

(as of July 23, 2013)

Professors

[Tonya Barrier, PhD](#)

[Sheryl Brahnham, PhD](#)

[Jerry M. Chin, DBA](#)

[Ronald Dattero, PhD](#)

[Michael Hignite, PhD](#)

[Richard Johnson, PhD](#)

[Rajeev Kaula, PhD](#)

[Thomas M. Margavio, PhD](#)

[David B. Meinert, PhD](#)

[John W. Satzinger, PhD](#)

[Randall S. Sexton, PhD](#)

Associate professor

[Duane Moses, PhD](#)

Senior instructors

[Michelle Hulett, MBA](#)

[Shannon McMurtrey, PhD](#)

[Glenna Vanderhoof, PhD](#)

[Cathy VanLanduyt, MBA](#)

Instructors

[Richard Burton, MBA](#)

[Sarah J. Evans, MBA](#)

Emeritus professors

James T. Brown, EdD

William Cornette, PhD

Ken Douglas, PhD

Irene A. Francka, EdS

Lois M. Garrett, MEd

Woodfin C. Garrett, MT

Neva P. Maddox Johnson, MEd

[Chung S. Kim, PhD](#)

[Heidi R. Perreault, EdD](#)

Maxine W. Short, MEd

[Jean C. Swanson, PhD](#)

[Ann L. Wilson, MS](#)

Computer Information Systems Courses

Business Education (BSE) courses

BSE 493 Supervised Teaching (Secondary Business)

Prerequisite: completion of all methods courses in Business; 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 business 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: Fall, Spring

[Projected offerings](#)

BSE 494 Supervised Teaching (Secondary Business)

Prerequisite: concurrent enrollment in BSE 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: 5-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

BSE 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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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](#)

BSE 503 Teaching of Business

Prerequisite: EDC 350; and ACC 211 or ACC 206; and admitted to teacher education program; and 70 hours; and approved major or minor in business.

Development of a philosophy for and about business

BSE 596 Problems in Business Education

Prerequisite: permission of department head.

Technical or professional problems growing from particular needs that 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 when topic varies. May be taught concurrently with BSE 696. Cannot receive credit for both BSE 696 and BSE 596.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

BSE 603 Teaching of Business

Prerequisite: EDC 350; and ACC 211 or ACC 206; and Teacher Certification students must be admitted to teacher education program; and approved major in business; or permission of department head.

Development of a philosophy for and about business education; study of relevant legislation; study of methods of teaching selected business subjects including use of research-based readings, observation, and microteaching. A grade of "C" or better is required in this course in order to take BSE 493 or BSE 494. May be taught concurrently with BSE 503. Cannot receive credit for both BSE 503 and BSE 603.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

BSE 609 Business Education Workshop

Development and promotion of desirable programs in business education. Each workshop emphasizes a single topic. May be repeated for a maximum of 5 hours when topic varies. May be taught concurrently with BSE 509. Cannot receive credit for both BSE 509 and BSE 609.

Credit hours: 1-5 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 620 Occupational Analysis

Prerequisite: teacher certification student.

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. Identical with AGV 620. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with BSE 520. Cannot receive credit for both BSE 520 and BSE 620.

Credit hours: 1-2 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 622 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Meets Missouri Vocational Education certification requirements. Identical with AGV 622 and SEC 622. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 522. Cannot receive credit for both BSE 522 and BSE 622.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

education; study of relevant legislation; study of methods of teaching selected business subjects including use of research-based readings, observation, and microteaching. A grade of "C" or better is required in this course in order to take BSE 493 or BSE 494. May not be taken Pass/Not Pass. May be taught concurrently with BSE 603. Cannot receive credit for both BSE 603 and BSE 503.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

BSE 509 Business Education Workshop

Development and promotion of desirable programs in business education. Each workshop emphasizes a single topic. May be repeated for a maximum of 5 hours when topic varies. May be taught concurrently with BSE 609. Cannot receive credit for both BSE 609 and BSE 509.

Credit hours: 1-5 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 520 Occupational Analysis

Prerequisite: teacher certification student.

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. Identical with AGV 520. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with BSE 620. Cannot receive credit for both BSE 620 and BSE 520.

Credit hours: 1-2 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 522 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Meets Missouri Vocational Education certification requirements. Identical with AGV 522 and SEC 522. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 622. Cannot receive credit for both BSE 622 and BSE 522.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 523 Guidance for Vocational Development

Prerequisite: teacher certification student.

Materials, procedures, and problems in guidance of individuals in the selection of, preparation for, and advancement in a vocation. Identical with AGV 523. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 623. Cannot receive credit for both BSE 623 and BSE 523.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 524 Implementing Vocational Business Education Programs

Prerequisite: teacher certification student.

Problems; procedures; and local, state and federal relationships in the implementation and administration of vocational business education in the contemporary school. May be taught concurrently with BSE 624. Cannot receive credit for both BSE 624 and BSE 524.

Typically offered: Upon demand

[Projected offerings](#)

BSE 623 Guidance for Vocational Development

Prerequisite: teacher certification student.

Materials, procedures, and problems in guidance of individuals in the selection of, preparation for, and advancement in a vocation. Identical with AGV 623. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 523. Cannot receive credit for both BSE 523 and BSE 623.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 624 Implementing Vocational Business Education Programs

Prerequisite: teacher certification student.

Problems; procedures; and local, state and federal relationships in the implementation and administration of vocational business education in the contemporary school. May be taught concurrently with BSE 524. Cannot receive credit for both BSE 524 and BSE 624.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 626 Coordination of Cooperative Education

Prerequisite: teacher certification student.

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 and SEC 626. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with BSE 526. Cannot receive credit for both BSE 526 and BSE 626.

Credit hours: 1-2 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 628 Measurement and Evaluation of Vocational Education Programs

Prerequisite: teacher certification student.

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 and SEC 628. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 528. Cannot receive credit for BSE 528 and BSE 628.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

BSE 640 Curriculum Development for Business Education

Prerequisite: teacher certification student must be admitted to Teacher Education Program.

Major emphasis given to curriculum development in business courses. Selected topics include teaching basic business courses; developing course objectives, content, and evaluative strategies; sponsoring youth organizations; selecting equipment. May be taught concurrently with BSE 540. Cannot receive credit for both BSE 540 and BSE 640.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Upon demand
[Projected offerings](#)

BSE 526 Coordination of Cooperative Education

Prerequisite: teacher certification student.

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 and SEC 526. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with BSE 626. Cannot receive credit for both BSE 626 and BSE 526.

Credit hours: 1-2 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Upon demand
[Projected offerings](#)

BSE 528 Measurement and Evaluation of Vocational Education Programs

Prerequisite: teacher certification student.

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 and SEC 528. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 628. Cannot receive credit for both BSE 628 and BSE 528.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Upon demand
[Projected offerings](#)

BSE 540 Curriculum Development for Business Education

Prerequisite: admitted to Teacher Education Program.

Major emphasis given to curriculum development in business courses. Selected topics include teaching basic business courses; developing course objectives, content, and evaluative strategies; sponsoring youth organizations; selecting equipment. May be taught concurrently with BSE 640. Cannot receive credit for both BSE 640 and BSE 540.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring
[Projected offerings](#)

Computer Information Systems (CIS) courses

CIS 101 Computers for Learning

General Education Course (Basic Required Courses).

Fundamental computer concepts including word processing spreadsheets, assessing information and the responsible use of information and technology. Course may be waived by proficiency exam. Identical with CSC 101. Cannot receive credit for both CIS 101 and CSC 101.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2
Typically offered: Fall, Spring
[Projected offerings](#)

CIS 195 Introduction to Desktop Publishing

Prerequisite: CIS 101 or CSC 101 or CSC 111 or CIS/CSC 101 waiver exam.

Introduction to desktop publishing concepts and applications.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring
[Projected offerings](#)

BSE 696 Problems in Business Education

Prerequisite: permission of department head.

Technical or professional problems growing from particular needs that 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 when topic varies. May be taught concurrently with BSE 596. Cannot receive credit for both BSE 596 and BSE 696.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Fall, Spring
[Projected offerings](#)

BSE 705 Curriculum Construction in Business Education

Objectives and interrelationships of business education courses and programs. Development of curricular materials and evaluative devices. Identical with SEC 705. 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](#)

BSE 710 Improvement of Instruction in Business Education

Current developments and trends in teaching business subjects; new developments in resources, methods, and techniques. 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](#)

BSE 730 Research Seminar in Business Education

Critical interpretation and evaluations of research in business education. Individualized assistance provided in the development of an extensive research paper to satisfy the requirement for Research Option II.

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. Course requires students take an ITSM foundations certification exam. May be taught concurrently with CIS 581. Can receive credit for only one of the following courses: CIS 281 and CIS 581 and CIS 681.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall
[Projected offerings](#)

CIS 582 Lean IT

Prerequisite: undergraduate business majors must be admitted

Typically offered: Fall

[Projected offerings](#)

CIS 197 Topics in Computer Information Systems

Prerequisite: permission of department head.

Study of topics in Computer Information Systems. May be repeated as topics change to a total of 6 hours.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

CIS 201 Computer Applications for Business

Prerequisite: CIS 101 or CSC 101 or CSC 111 or waiver exam.

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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 202 Program Design and Development

Prerequisite: CIS 101 or CSC 101 or CSC 111 or waiver exam.

A study of structured program design, concepts and techniques related to the development of computer programs with an emphasis on business applications. A high level language is used to implement the design concepts and techniques.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 205 Web Site Design and Development

Prerequisite: CIS 101 or CSC 101 or CSC 111 or waiver exam.

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 223 Introduction to COBOL Programming

Prerequisite: CIS 202.

Introduction to COBOL (Common Business Oriented Language) programming to process business data.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 224 Windows Programming with Development Tools

Prerequisite: CIS 202.

An introduction to development of computer applications using rapid developmental tools such as Visual Basic. Emphasis on designing and managing graphical user interfaces, procedures, file management, debugging, and testing.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 230 Computer Hardware and Operating Systems

to degree program.

Lean principles to manage IT with an emphasis on the reduction of waste. 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 and take a Lean IT Foundation certification exam. 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: 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: 90 hours; and CIS 323 or CIS 334 or CIS 350 or CIS 375; and CIS 431 or CIS 528; 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. These systems can be individual or group projects. May not be taken Pass/Not Pass. May be taught concurrently with CIS 691. Cannot receive credit for both CIS 691 and CIS 591.

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

Prerequisite: CIS 101 or CSC 101 or CSC 111 or waiver exam.

A study of computer hardware and operating system software as it relates to the IT professional. Computer networking is introduced.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 260 Application Development I

Prerequisite: CIS 101 or CSC 101 or CSC 111 or waiver exam.

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 and applets.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 270 Application Development II

Prerequisite: CIS 260.

This course is a continuation of the study of object technology and the Java programming language. Projects using Java involve the development of standalone and web based applets. Topics include Swing, layout managers, event handling, exception handling, inheritance, arrays, graphics, and file I/O. An introduction to HTML is covered to support web server based applets.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 281 Introduction to IT Service Management

Prerequisite: CIS 230 or concurrent enrollment.

Introduction to the field 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. Topics include technical infrastructure, service operations, service support, and service delivery. Cannot receive credit for both CIS 281 and CIS 581.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

CIS 290 Advanced Microcomputer Applications

Prerequisite: CIS 101 or CSC 101 or equivalent.

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 294 Internship in Computer Information Systems

Prerequisite: permission of advisor.

Work-study program with cooperating employers in appropriate office situations to include a broad range of relevant on-the-job experiences. 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](#)

graduate degree.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 610 e-Business Technology Concepts

Prerequisite: BUS 510 or BUS 610 or permission of a director of a College of Business graduate program.

An introduction to e-Business and Internet concepts and technology. The course emphasizes content driven web development using database concepts. May be taught concurrently with CIS 510. Cannot receive credit for both CIS 510 and CIS 610.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 615 Fourth-Generation Languages

Prerequisite: permission of a director of a College of Business graduate program.

An introduction to fourth-generation languages (4GL). A study of the versatility and integrated functions of popular fourth generation languages including general application development, report generation, database query, screen development and graphics. May be taught concurrently with CIS 515. Cannot receive credit for both CIS 515 and CIS 615.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

CIS 622 Decision Support Systems Development

Prerequisite: permission of a director of a College of Business graduate program.

A study of Decision Support Systems (DSS), a review of current DSS literature, and the design and development of a DSS with emphasis on the user interface. May be taught concurrently with CIS 522. Cannot receive credit for both CIS 522 and CIS 622.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CIS 626 Computer Security

Prerequisite: MGT 340 or permission of a director of a College of Business graduate program.

Primarily, but not exclusively, designed for MBA students, CIS undergraduates, and IT Service Management undergraduates. The course is an introduction to the basic issues in computer security. This course is managerial 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 525. Cannot receive credit for both CIS 525 and CIS 626.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CIS 628 Database Management Systems Implementation

Prerequisite: CIS 326 or permission of a director of a College of Business graduate program.

Application of database management principles in the implementation of a business information system. Emphasis will be on the design, construction, testing, and installation of a

CIS 316 Computer Programming in RPG

Prerequisite: CIS 270; and undergraduate business majors must be admitted to degree program.

Solving business-oriented problems using RPG (Report Program Generator) programming language.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 320 Survey of Computer Languages

Prerequisite: CIS 223 or CIS 224 or CIS 260; and undergraduate business majors must be admitted to degree program.

A survey of computer languages used for business applications with emphasis on teaching high level languages currently not being taught in other CIS courses.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CIS 321 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 323 Advanced COBOL Programming Techniques

Prerequisite: CIS 270 and CIS 321 and CIS 326; and undergraduate business majors must be admitted to degree program.

Methods and techniques of programming for applications in the solution of business problems, using COBOL.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 326 Database Management Systems Concepts and Design

Prerequisite: CIS 321 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

Study of database management concepts and techniques. Emphasis on data modeling using various data models such as semantic object, entity-relationship, relational, hierarchical, and network. Discussion and application of SQL to develop and query databases. Additional topics include database administration, study of micro and mainframe DBMS such as SQL/DS (DB2), client-server database environment, and distributed databases. Completion of a major study project is required.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CIS 330 Advanced Networking and Linux System Administration

Prerequisite: CIS 230; and undergraduate business majors must be admitted to degree program.

comprehensive database system using SQL, fourth generation languages or other data access tools. May be taught concurrently with CIS 528. Cannot receive credit for both CIS 528 and CIS 628.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 630 Training for End User Computing

An analysis of the training function and its application to end user computing. Emphasis on selecting appropriate methods and media. May be taught concurrently with CIS 530. Cannot receive credit for both CIS 530 and CIS 630.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CIS 641 Advanced Network Administration

Prerequisite: CIS 330 or CSC 465 or permission of a director of a College of Business graduate program.

Application of basic networking concepts to create working network systems for organizations and to solve business problems. Installing and configuring network operating systems and Internet web servers. Planning and implementing network security schemes. Planning and implementing enterprise networking. Server-based roll-outs and maintenance of applications on multiple workstations. May be taught concurrently with CIS 540. Cannot receive credit for both CIS 540 and CIS 641.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 651 Advanced Object-Oriented Systems

Prerequisite: CIS 326 and CIS 350; or permission of a director of a College of Business graduate program.

Application of the concepts of object-oriented systems. Case study approach provides the framework for developing working prototypes of business applications using one or more graphical user interface object-oriented languages. May be taught concurrently with CIS 550. Cannot receive credit for both CIS 550 and CIS 651.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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. Course requires students take an ITSM foundations certification exam. 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

[Projected offerings](#)

CIS 682 Lean IT

Lean principles to manage IT with an emphasis on the reduction of waste. 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

A continuation of CIS 230 emphasizing advanced computer networking and Linux system administration.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 334 Advanced Windows Applications Programming

Prerequisite: CIS 270 and 321 and 326; and undergraduate business majors must be admitted to degree program.

Methods and techniques of designing and implementing Windows software applications. 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 350 Advanced Object Oriented Programming

Prerequisite: CIS 270 and CIS 321 and CIS 326; and undergraduate business majors must be admitted to degree program.

A continuation of CIS 270 using the Java programming language. Projects will include both database concepts and analysis and design concepts.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 360 Object Technology II

Prerequisite: CIS 260; and undergraduate business majors must be admitted to degree program.

This course is a continuation of the study of object technology and the Java programming language. Projects using Java involve the development of standalone and web based applets. Topics include abstract windows toolkit (AWT), layout managers, event handling, exception handling, inheritance, arrays, graphics, and file I/O. An introduction to HTML is covered to support web server based applets.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 370 Web Application Development for Business I

Prerequisite: CIS 260 and undergraduate business majors must be admitted to degree program.

Introduction to the key concepts of developing business applications for the World Wide Web, a critical element of successful e-business systems. 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 375 Web Application Development for Business II

Prerequisite: CIS 370; and undergraduate business majors must be admitted to degree program.

Continuing coverage of the key concepts of developing intermediate to advanced business applications for the World Wide Web within the context of e-business. Provides extensive hands-on experience of an advanced nature in several

processes of an organization and take a Lean IT Foundation certification exam. 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: 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 691 Information Systems Development

Prerequisite: CIS 323 or CIS 334 or CIS 350 or CIS 375; and CIS 431 or CIS 528 or CIS 628; or permission of a director of a College of Business graduate 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. These systems can be individual or group projects. May be taught concurrently with CIS 591. Cannot receive credit for both CIS 591 and CIS 691.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, 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 707 Practicum in Computer Information Systems

Prerequisite: permission of department head.

Work-study program with cooperating employers. Class and/or conference discussion of successes achieved and problems encountered by the student. On-the-job application of techniques, methods, procedures, and principles dealt with in other courses.

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

important web technologies such as HTML, XHTML, CSS, XML, ASP, and scripting languages (e.g., JavaScript and/or VBScript). The student will be expected to develop a working e-business system.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

CIS 381 Incident and Problem Management

Prerequisite: CIS 281; and CIS 330 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

Methods for managing incidences (detecting and resolving any event which is not part of the standard operation of a service and which causes, or may cause, an interruption to, or a reduction in the quality of that service) and problems (identifying the underlying cause of actual and potential failures in the provision of a service). Techniques to provide high quality interactions with users will be stressed. Cannot receive credit for both CIS 381 and CIS 582.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CIS 382 IT Service Level Management

Prerequisite: CIS 281; and undergraduate business majors must be admitted to degree program.

Methods for developing, monitoring, and reporting on service level agreements. Approaches to review service achievements to ensure that the required and cost-justifiable service quality is maintained and gradually improved. Methods for pricing IT services will be surveyed.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

CIS 385 Records Storage and Retrieval Systems

Prerequisite: undergraduate business majors must be admitted to degree program.

A study of the design and use of records storage and retrieval systems to include micrographics, electronic controls, and optical disk systems.

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 396 Readings in Computer Information Systems

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.

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 725 Neural Networks

An introduction to the subject to solve business problems using neural network software. In addition, the student will study the theory and framework for the appropriate use of neural networks in regard to solution and data analysis.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CIS 732 Strategic IT Planning

Prerequisite: acceptance 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: acceptance in 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 736 Data Communications and Information

Prerequisite: acceptance in 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

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: CIS 321 or CIS 381 or CIS 382; and FIN 380 and MGT 364; and 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 in Business

Prerequisite: CIS 201; and undergraduate business majors must be admitted to degree program.

Computer information systems analysis, design, and utilization including information as a resource, hardware/software concepts, data communications, database concepts, systems development and general systems concepts. Explores various computer information systems applications in accounting, management, marketing, finance, and office administration. May not be taken for credit by the Computer Information Systems major.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 431 Advanced Systems Analysis and Design

Prerequisite: CIS 321; and undergraduate business majors must be admitted to degree program.

Advanced study of systems development methodologies. The course emphasizes the strategies and techniques utilized for analysis and design in the development of complex information systems.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 461 Strategic Management Information Systems

Prerequisite: CIS 321 or CIS 381 or CIS 382; and 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 courses focuses on the effective management of the IT/IS

Prerequisite: acceptance in 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: acceptance in 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: acceptance in 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: acceptance in 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: acceptance in 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](#)

function and related topics such as the relationship of technology use and the globalization of trade, the use of IT for competitive advantage, and how technology may affect supply and value chain management, enterprise planning, etc. Cannot receive credit for both CIS 461 and CIS 761.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 494 Internship in Computer Information Systems

Prerequisite: 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. 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 510 e-Business Technology Concepts

Prerequisite: CIS 201 and BUS 510; and undergraduate business majors must be admitted to degree program.

An introduction to e-Business and Internet concepts and technology. The course emphasizes content driven web development using database concepts. May be taught concurrently with CIS 610. Cannot receive credit for both CIS 610 and CIS 510.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 515 Fourth-Generation Languages

Prerequisite: CIS 321 or CIS 429; and undergraduate business majors must be admitted to degree program.

An introduction to fourth-generation languages (4GL). A study of the versatility and integrated functions of popular fourth generation languages including general application development, report generation, database query, screen development and graphics. May be taught concurrently with CIS 615. Cannot receive credit for both CIS 615 and CIS 515.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

CIS 522 Decision Support Systems Development

Prerequisite: QBA 337 and CIS 323; and undergraduate business majors must be admitted to degree program.

A study of Decision Support Systems (DSS), a review of current DSS literature, and the design and development of a DSS with emphasis on the user interface. May be taught concurrently with CIS 622. Cannot receive credit for both CIS 622 and CIS 522.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CIS 525 Computer Security

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

Primarily, but not exclusively, designed for MBA students, CIS undergraduates, and IT Service Management undergraduates.

CIS 747 IT Legal Issues

Prerequisite: acceptance in 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: acceptance in 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: acceptance in 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: acceptance in 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.

The course is an introduction to the basic issues in computer security. This course is managerial 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 625. Cannot receive credit for both CIS 625 and CIS 525.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CIS 528 Database Management Systems Implementation

Prerequisite: CIS 326; and undergraduate business majors must be admitted to degree program.

Application of database management principles in the implementation of a business information system. Emphasis will be on the design, construction, testing, and installation of a comprehensive database system using SQL, fourth generation languages or other data access tools. 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 530 Training for End User Computing

Prerequisite: undergraduate business majors must be admitted to degree program.

An analysis of the training function and its application to end user computing. Emphasis on selecting appropriate methods and media. May be taught concurrently with CIS 630. Cannot receive credit for both CIS 630 and CIS 530.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CIS 540 Advanced Network Administration

Prerequisite: CIS 330 or CSC 465; and undergraduate business majors must be admitted to degree program.

Application of basic networking concepts to create working network systems for organizations and to solve business problems. Installing and configuring network operating systems and Internet web servers. Planning and implementing network security schemes. Planning and implementing enterprise networking. Server-based roll-outs and maintenance of applications on multiple workstations. May be taught concurrently with CIS 641. Cannot receive credit for both CIS 641 and CIS 540.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CIS 550 Advanced Object-Oriented Systems

Prerequisite: CIS 326 and CIS 350; and undergraduate business majors must be admitted to degree program.

Application of the concepts of object-oriented systems. Case study approach provides the framework for developing working prototypes of business applications using one or more graphical user interface object-oriented languages. May be taught concurrently with CIS 651. Cannot receive credit for both CIS 651 and CIS 550.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CIS 754 Organizational Transformation

Prerequisite: acceptance in 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: acceptance in 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; and CIS 429 or CIS 600 or equivalent.

A macro application to the concept, design and implementation of management information systems. This course is designed to be useful to MBA students interested in management information systems development as well as those who plan to be involved in managing MIS projects. Cannot receive credit for both CIS 461 and CIS 761.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[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](#)

Business Education

Major(s)

Business Education (Comprehensive)

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- C. Major Requirements (12 hours): [CIS 195\(3\)](#), [CIS 205\(3\)](#) or [CIS 260\(3\)](#), [BSE 524\(3\)](#), [BSE 540\(3\)](#)
- D. Professional Education Courses
 - 1. [BSE 503\(3\)](#), [BSE 493\(5-6\)](#), [BSE 494\(5-6\)](#)
 - 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- F. This program 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- G. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses which includes all courses listed under D; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.
- H. In order to meet Missouri state teacher certification requirements for business, candidates are required to meet the following work experience requirements: 2,000 hours of work experience in a business related field, or completion of an internship approved by the CIS department. Approval is determined by the nature of the employment in a business occupation. The work experience hours and internship experience are documented within the professional education portfolio.

Minor(s)

Business Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. [ACC 201\(3\)](#); [BSE 524\(3\)](#), [540\(3\)](#); [CIS 195\(3\)](#), [201\(2\)](#); [CIS 205\(3\)](#) or [260\(3\)](#); [CIS 429\(3\)](#); [ECO 155\(3\)](#); [MGT 286\(3\)](#), [340\(3\)](#); [MKT 350\(3\)](#); [LAW 231\(3\)](#) (35 hours)
- B. [BSE 503\(3\)](#) required for state teacher certification
- C. In order to meet Missouri state teacher certification requirements, all candidates for the Bachelor of Science in Education degree must have at least a 2.75 GPA (Missouri State and transfer grades combined) in the certificate subject area which includes all courses required for the minor.
- D. In order to meet Missouri state teacher certification requirements for business, candidates are required to meet the following work experience requirements: 2,000 hours of work experience in a business related field, or completion of an internship approved by the CIS department. Approval is determined by the nature of the employment in a business occupation. The work experience hours and internship experience are documented within the professional education portfolio.

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 the following two departmental admission courses with a GPA of 2.50 or higher and no grade below a "C": [CIS 260\(3\)](#) and [CIS 270\(3\)](#)
- 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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog (Note: [CIS 461\(3\)](#) must be taken by Computer Information Systems majors)
- C. Major Requirements
 - a. [CIS 230\(3\)](#), [260\(3\)](#), [270\(3\)](#), [321\(3\)](#), [326\(3\)](#), [431\(3\)](#), [528\(3\)](#), [591\(3\)](#)
 - b. CIS [334\(3\)](#) or [350\(3\)](#)
 - c. Complete 3 hours from the following: [CIS 316\(3\)](#), [323\(3\)](#), [330\(3\)](#), [334\(3\)](#), [350\(3\)](#), [370\(3\)](#), [375\(3\)](#), [394\(3\)](#), [397\(3\)](#), [540\(3\)](#)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Computer Information Systems

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

- A. [CIS 230\(3\)](#), [260\(3\)](#), [270\(3\)](#), [321\(3\)](#), [326\(3\)](#)
- B. Complete 3 additional hours from the following: [CIS 323\(3\)](#), [330\(3\)](#), [334\(3\)](#), [350\(3\)](#), [370\(3\)](#), [375\(3\)](#), [394\(3\)](#), [397\(3\)](#)

Accelerated Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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.

Information Technology Service Management

Major(s)

Information Technology Service Management (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog (Note: [CIS 461](#)(3) must be taken by Information Technology Service Management majors)
- C. Major Requirements:
 - a. [CIS 230](#)(3), [260](#)(3); [281](#)(3) or [581](#)(3); [321](#)(3), [326](#)(3); [330](#)(3); [381](#)(3) or [582](#)(3); [525](#)(3)
 - b. Complete 6 hours from the following: [CIS 420](#)(3), [583](#)(3); [MGT 565](#)(3)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Information Technology Service Management

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

- A. [CIS 230](#)(3), [281](#)(3), [330](#)(3), [381](#)(3)
- B. Complete 3 additional hours from [CIS 260](#)(3) or [420](#)(3) or [525](#)(3)

Web Application Development

Minor(s)

Web Application Development

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

A. [CIS 260\(3\)](#), [321\(3\)](#), [326\(3\)](#), [330\(3\)](#), [370\(3\)](#), [375\(3\)](#)

Department of Fashion and Interior Design

Programs

Includes accelerated master's option

Undergraduate

- [Family and Consumer Sciences](#) (BSEd)
- [Fashion Merchandising and Design](#) (BS)
- [General Family and Consumer Sciences](#) (Minor)
- [Housing and Interior Design](#) (Minor)
- [Interior Design](#) (BS)

Graduate

- [Secondary Education with option in Family and Consumer Sciences](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Family and Consumer Sciences (BSEd, MSEd)
- National Council for Accreditation of Teacher Education – Family and Consumer Sciences (BSEd, MSEd)

Mission statement

The Department of Fashion and Interior Design provides education, scholarship, and service in the areas of human services and professional career education. Its vision centers on the study of housing and clothing as they relate to the physical, social, psychological, economic, aesthetic, and cultural perspectives of persons in the global community.

Contact

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Fashion and Interior Design Faculty

(as of July 23, 2013)

Professor

[Michele Granger, EdD](#)

Assistant professors

[Sandra L. Bailey, MS](#)

[Jenifer J. Roberts, MEd](#)

[Cathy L. Starr, PhD](#)

Senior instructors

[Nancy L. Asay, MEd](#)

[Marciann Patton, MEd](#)

Emeritus professors

Edna Bell, PhD

[Carrie J. Ireland, PhD](#)

[Thomas J. Kachel, MS](#)

Jacquelyn Ledbetter, MS

[Debra McDowell, EdD](#)

Joyce Waldron, EdD

Department of Fashion and Interior Design Courses

Family and Consumer Sciences (FCS) courses

FCS 120 Family Health

Current trends in family health care and home nursing care; practice in the laboratory. Supplemental course fee.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

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 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

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: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

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.

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.

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 B.S. in Education (Family and Consumer Sciences). A grade of "C" or better is required in this course. May not 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 B.S. in Education (Family and Consumer Sciences). A grade of "C" or better is required in this course. May 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

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.

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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](#)

[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. Cannot 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. A grade of "C" or better is required in this course. 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](#)

Fashion Merchandising and Design (FMD) courses

FMD 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](#)

FMD 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](#)

FMD 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](#)

FMD 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](#)

FMD 203 Kaledo for the Fashion Industry

Prerequisite: FMD 101 with grade of C grade or better; and FMD 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](#)

FMD 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](#)

FMD 270 Advanced Fashion Construction

Prerequisite: FMD 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](#)

FMD 300 Special Topics in Fashion Merchandising and Design

FMD 362 Fashion Promotion

Prerequisite: FMD 301 with grade of C or better; FMD 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](#)

FMD 370 Flat Pattern

Prerequisite: FMD 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](#)

FMD 371 Draping

Prerequisite: FMD 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](#)

FMD 372 Fashion Illustration

Prerequisite: FMD 371 with grade of C grade 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](#)

FMD 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](#)

FMD 401 Internship in Fashion Merchandising

Prerequisite: FMD 305 and FMD 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

Selected topics of contemporary interest in fashion merchandising and 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](#)

FMD 301 Introduction to Product Development

Prerequisite: FMD 101 with grade of C or better; and FMD 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](#)

FMD 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](#)

FMD 303 Evaluation of Product Quality

Prerequisite: FMD 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 FMD 301.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

FMD 304 Application of Product Development

Prerequisite: FMD 103 and FMD 202 and FMD 301 and FMD 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 FMD 201.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

FMD 305 Pre-Internship Seminar

Prerequisite: FMD 101 with grade of C or better; and FMD 210 and 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](#)

FMD 306 Merchandising Mathematics

Prerequisite: FMD 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

[Projected offerings](#)

FMD 402 Internship in Fashion Design

Prerequisite: FMD 305 and FMD 306 and FMD 370 and FMD 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](#)

FMD 403 Post-Internship

Prerequisite: FMD 401 or FMD 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](#)

FMD 460 Fashion Merchandise Planning

Prerequisite: FMD 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](#)

FMD 470 Design Challenges

Prerequisite: FMD 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](#)

FMD 560 Entrepreneurship

Prerequisite: FMD 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 FMD 660. Cannot receive credit for both FMD 560 and FMD 660.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

FMD 570 Senior Collection

of understanding six month merchandising plans and open-to-buy calculations. Case studies include venter relations and negotiation strategies.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall
[Projected offerings](#)

FMD 307 Advanced Computer Imagery for the Fashion Industry

Prerequisite: FMD 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](#)

FMD 360 Visual Merchandising

Prerequisite: FMD 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](#)

FMD 361 Fashion Show Production

Prerequisite: FMD 301 and FMD 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](#)

Prerequisite: FMD 372 and FMD 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 FMD 670. Cannot receive credit for both FMD 570 and FMD 670. Supplemental course fee.

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4
Typically offered: Spring
[Projected offerings](#)

FMD 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 FMD 560. Cannot receive credit for both FMD 660 and FMD 560.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring
[Projected offerings](#)

FMD 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 FMD 570. Cannot receive credit for both FMD 670 and FMD 570.

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4
Typically offered: Spring
[Projected offerings](#)

FMD 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](#)

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 145 Introduction to Housing

Survey of the historical development of housing and socioeconomic aspects of housing in relation to individual and

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.

family living. Analysis of interior space for individual and family living with emphasis on economic considerations and predictions for the future.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: 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.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

HID 343 Retail Design and Display

Prerequisite: HID 140.

Design from store planning to merchandise display will be covered through readings, projects and field trips. Team visual merchandising projects and an individual store design required.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

[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

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](#)

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](#)

Department of Fashion and Interior Design

Programs

Includes accelerated master's option

Undergraduate

- [Family and Consumer Sciences](#) (BSEd)
- [Fashion Merchandising and Design](#) (BS)
- [General Family and Consumer Sciences](#) (Minor)
- [Housing and Interior Design](#) (Minor)
- [Interior Design](#) (BS)

Graduate

- [Secondary Education with option in Family and Consumer Sciences](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Family and Consumer Sciences (BSEd, MSEd)
- National Council for Accreditation of Teacher Education – Family and Consumer Sciences (BSEd, MSEd)

Mission statement

The Department of Fashion and Interior Design provides education, scholarship, and service in the areas of human services and professional career education. Its vision centers on the study of housing and clothing as they relate to the physical, social, psychological, economic, aesthetic, and cultural perspectives of persons in the global community.

Contact

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Department of Fashion and Interior Design

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Fashion and Interior Design Faculty

(as of July 23, 2013)

Professor

[Michele Granger, EdD](#)

Assistant professors

[Sandra L. Bailey, MS](#)

[Jenifer J. Roberts, MEd](#)

[Cathy L. Starr, PhD](#)

Senior instructors

[Nancy L. Asay, MEd](#)

[Marciann Patton, MEd](#)

Emeritus professors

Edna Bell, PhD

[Carrie J. Ireland, PhD](#)

[Thomas J. Kachel, MS](#)

Jacquelyn Ledbetter, MS

[Debra McDowell, EdD](#)

Joyce Waldron, EdD

Department of Fashion and Interior Design Courses

Family and Consumer Sciences (FCS) courses

FCS 120 Family Health

Current trends in family health care and home nursing care; practice in the laboratory. Supplemental course fee.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

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 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

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: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

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.

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.

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 B.S. in Education (Family and Consumer Sciences). A grade of "C" or better is required in this course. May not 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 B.S. in Education (Family and Consumer Sciences). A grade of "C" or better is required in this course. May 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

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.

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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](#)

[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. Cannot 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. A grade of "C" or better is required in this course. 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](#)

Fashion Merchandising and Design (FMD) courses

FMD 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](#)

FMD 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](#)

FMD 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](#)

FMD 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](#)

FMD 203 Kaledo for the Fashion Industry

Prerequisite: FMD 101 with grade of C grade or better; and FMD 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](#)

FMD 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](#)

FMD 270 Advanced Fashion Construction

Prerequisite: FMD 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](#)

FMD 300 Special Topics in Fashion Merchandising and Design

FMD 362 Fashion Promotion

Prerequisite: FMD 301 with grade of C or better; FMD 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](#)

FMD 370 Flat Pattern

Prerequisite: FMD 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](#)

FMD 371 Draping

Prerequisite: FMD 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](#)

FMD 372 Fashion Illustration

Prerequisite: FMD 371 with grade of C grade 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](#)

FMD 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](#)

FMD 401 Internship in Fashion Merchandising

Prerequisite: FMD 305 and FMD 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

Selected topics of contemporary interest in fashion merchandising and 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](#)

FMD 301 Introduction to Product Development

Prerequisite: FMD 101 with grade of C or better; and FMD 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](#)

FMD 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](#)

FMD 303 Evaluation of Product Quality

Prerequisite: FMD 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 FMD 301.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

FMD 304 Application of Product Development

Prerequisite: FMD 103 and FMD 202 and FMD 301 and FMD 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 FMD 201.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

FMD 305 Pre-Internship Seminar

Prerequisite: FMD 101 with grade of C or better; and FMD 210 and 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](#)

FMD 306 Merchandising Mathematics

Prerequisite: FMD 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

[Projected offerings](#)

FMD 402 Internship in Fashion Design

Prerequisite: FMD 305 and FMD 306 and FMD 370 and FMD 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](#)

FMD 403 Post-Internship

Prerequisite: FMD 401 or FMD 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](#)

FMD 460 Fashion Merchandise Planning

Prerequisite: FMD 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](#)

FMD 470 Design Challenges

Prerequisite: FMD 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](#)

FMD 560 Entrepreneurship

Prerequisite: FMD 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 FMD 660. Cannot receive credit for both FMD 560 and FMD 660.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

FMD 570 Senior Collection

of understanding six month merchandising plans and open-to-buy calculations. Case studies include venter relations and negotiation strategies.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall
[Projected offerings](#)

FMD 307 Advanced Computer Imagery for the Fashion Industry

Prerequisite: FMD 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](#)

FMD 360 Visual Merchandising

Prerequisite: FMD 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](#)

FMD 361 Fashion Show Production

Prerequisite: FMD 301 and FMD 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](#)

Prerequisite: FMD 372 and FMD 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 FMD 670. Cannot receive credit for both FMD 570 and FMD 670. Supplemental course fee.

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4
Typically offered: Spring
[Projected offerings](#)

FMD 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 FMD 560. Cannot receive credit for both FMD 660 and FMD 560.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring
[Projected offerings](#)

FMD 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 FMD 570. Cannot receive credit for both FMD 670 and FMD 570.

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4
Typically offered: Spring
[Projected offerings](#)

FMD 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](#)

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 145 Introduction to Housing

Survey of the historical development of housing and socioeconomic aspects of housing in relation to individual and

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.

family living. Analysis of interior space for individual and family living with emphasis on economic considerations and predictions for the future.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: 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.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

HID 343 Retail Design and Display

Prerequisite: HID 140.

Design from store planning to merchandise display will be covered through readings, projects and field trips. Team visual merchandising projects and an individual store design required.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

[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

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](#)

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](#)

Family and Consumer Sciences

Major(s)

Family and Consumer Sciences

Bachelor of Science in Education

(Certifiable grades Birth-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [PSY 121\(3\)](#); [CHM 105\(5\)](#) or [CHM 106\(4\)](#); [BIO 102\(4\)](#) or [121\(4\)](#) or [BMS 110\(4\)](#); [SOC 150\(3\)](#)
- B. Major Requirements: [BMS 130\(3\)](#) or [240\(3\)](#); [CFD 155\(3\)](#), [160\(3\)](#), [163\(3\)](#), [250\(3\)](#), [361\(3\)](#); [FCS 120\(2\)](#), [301\(3\)](#), [335\(2\)](#), [373\(3\)](#), [472\(3\)](#), [507\(1\)](#); [HID 140\(3\)](#); [HRA 218\(3\)](#), [321\(3\)](#)
- C. Professional Education Courses
1. [FCS 493\(6\)](#), [494\(6\)](#), [512\(3\)](#), [515\(3\)](#)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Health Education (certifiable grades 9-12, added endorsement only): Students who complete the Bachelor of Science in Education 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 which includes all courses listed above.

Fashion Merchandising and Design

Major(s)

Fashion Merchandising and Design (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [PSY 121\(3\)](#); [ECO 155\(3\)](#)
- B. Major Requirements. Grades of C or better are required in all FMD courses to advance to the next level of coursework and to graduate from this program.
- a. Core Requirements (37 hours): [FMD 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\(3\)](#)
- b. Complete one of the options:
- i. **Fashion Design and Product Development** (25 hours): [ART 115\(3\)](#); [FMD 270\(3\)](#), [370\(3\)](#), [371\(3\)](#), [372\(3\)](#), [402\(4\)](#), [470\(3\)](#), [570\(3\)](#)
- ii. **Fashion Merchandising and Management** (28 hours): [ACC 201\(3\)](#); [LAW 231\(3\)](#); [FMD 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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); [HRA 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); [HRA 218](#)(3), [321](#)(3), plus additional electives to bring total to at least 24 hours.

Housing and Interior Design

Minor(s)

Housing and Interior Design

Bachelor of Arts

Bachelor of Science

Select 18 hours, with approval of an HID advisor, from: [HID 140\(3\)](#), [201\(3\)](#), [202\(3\)](#), [208\(3\)](#), [241\(3\)](#), [303\(3\)](#)

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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirement: [MTH 135](#) or higher, [PSY 121\(3\)](#)
- B. Major Requirements
 - 1. [ART 115\(3\)](#), [215\(3\)](#); [ACC 201\(3\)](#); [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\(3\)](#); [MKT 350\(3\)](#); [TCM 122\(3\)](#), [221\(3\)](#), [313\(3\)](#), [320\(3\)](#), [321\(3\)](#), [322\(3\)](#)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Department of Fashion and Interior Design

Programs

Includes accelerated master's option

Undergraduate

- [Family and Consumer Sciences](#) (BSEd)
- [Fashion Merchandising and Design](#) (BS)
- [General Family and Consumer Sciences](#) (Minor)
- [Housing and Interior Design](#) (Minor)
- [Interior Design](#) (BS)

Graduate

- [Secondary Education with option in Family and Consumer Sciences](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Family and Consumer Sciences (BSEd, MSEd)
- National Council for Accreditation of Teacher Education – Family and Consumer Sciences (BSEd, MSEd)

Mission statement

The Department of Fashion and Interior Design provides education, scholarship, and service in the areas of human services and professional career education. Its vision centers on the study of housing and clothing as they relate to the physical, social, psychological, economic, aesthetic, and cultural perspectives of persons in the global community.

Contact

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Fashion and Interior Design Faculty

(as of July 23, 2013)

Professor

[Michele Granger, EdD](#)

Assistant professors

[Sandra L. Bailey, MS](#)

[Jenifer J. Roberts, MEd](#)

[Cathy L. Starr, PhD](#)

Senior instructors

[Nancy L. Asay, MEd](#)

[Marciann Patton, MEd](#)

Emeritus professors

Edna Bell, PhD

[Carrie J. Ireland, PhD](#)

[Thomas J. Kachel, MS](#)

Jacquelyn Ledbetter, MS

[Debra McDowell, EdD](#)

Joyce Waldron, EdD

Department of Fashion and Interior Design Courses

Family and Consumer Sciences (FCS) courses

FCS 120 Family Health

Current trends in family health care and home nursing care; practice in the laboratory. Supplemental course fee.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

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 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

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: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

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.

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.

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 B.S. in Education (Family and Consumer Sciences). A grade of "C" or better is required in this course. May not 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 B.S. in Education (Family and Consumer Sciences). A grade of "C" or better is required in this course. May 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

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.

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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](#)

[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. Cannot 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. A grade of "C" or better is required in this course. 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](#)

Fashion Merchandising and Design (FMD) courses

FMD 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](#)

FMD 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](#)

FMD 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](#)

FMD 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](#)

FMD 203 Kaledo for the Fashion Industry

Prerequisite: FMD 101 with grade of C grade or better; and FMD 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](#)

FMD 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](#)

FMD 270 Advanced Fashion Construction

Prerequisite: FMD 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](#)

FMD 300 Special Topics in Fashion Merchandising and Design

FMD 362 Fashion Promotion

Prerequisite: FMD 301 with grade of C or better; FMD 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](#)

FMD 370 Flat Pattern

Prerequisite: FMD 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](#)

FMD 371 Draping

Prerequisite: FMD 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](#)

FMD 372 Fashion Illustration

Prerequisite: FMD 371 with grade of C grade 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](#)

FMD 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](#)

FMD 401 Internship in Fashion Merchandising

Prerequisite: FMD 305 and FMD 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

Selected topics of contemporary interest in fashion merchandising and 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](#)

FMD 301 Introduction to Product Development

Prerequisite: FMD 101 with grade of C or better; and FMD 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](#)

FMD 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](#)

FMD 303 Evaluation of Product Quality

Prerequisite: FMD 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 FMD 301.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

FMD 304 Application of Product Development

Prerequisite: FMD 103 and FMD 202 and FMD 301 and FMD 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 FMD 201.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

FMD 305 Pre-Internship Seminar

Prerequisite: FMD 101 with grade of C or better; and FMD 210 and 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](#)

FMD 306 Merchandising Mathematics

Prerequisite: FMD 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

[Projected offerings](#)

FMD 402 Internship in Fashion Design

Prerequisite: FMD 305 and FMD 306 and FMD 370 and FMD 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](#)

FMD 403 Post-Internship

Prerequisite: FMD 401 or FMD 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](#)

FMD 460 Fashion Merchandise Planning

Prerequisite: FMD 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](#)

FMD 470 Design Challenges

Prerequisite: FMD 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](#)

FMD 560 Entrepreneurship

Prerequisite: FMD 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 FMD 660. Cannot receive credit for both FMD 560 and FMD 660.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

FMD 570 Senior Collection

of understanding six month merchandising plans and open-to-buy calculations. Case studies include venter relations and negotiation strategies.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall
[Projected offerings](#)

FMD 307 Advanced Computer Imagery for the Fashion Industry

Prerequisite: FMD 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](#)

FMD 360 Visual Merchandising

Prerequisite: FMD 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](#)

FMD 361 Fashion Show Production

Prerequisite: FMD 301 and FMD 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](#)

Prerequisite: FMD 372 and FMD 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 FMD 670. Cannot receive credit for both FMD 570 and FMD 670. Supplemental course fee.

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4
Typically offered: Spring
[Projected offerings](#)

FMD 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 FMD 560. Cannot receive credit for both FMD 660 and FMD 560.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring
[Projected offerings](#)

FMD 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 FMD 570. Cannot receive credit for both FMD 670 and FMD 570.

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4
Typically offered: Spring
[Projected offerings](#)

FMD 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](#)

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 145 Introduction to Housing

Survey of the historical development of housing and socioeconomic aspects of housing in relation to individual and

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.

family living. Analysis of interior space for individual and family living with emphasis on economic considerations and predictions for the future.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: 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.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

HID 343 Retail Design and Display

Prerequisite: HID 140.

Design from store planning to merchandise display will be covered through readings, projects and field trips. Team visual merchandising projects and an individual store design required.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

[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

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](#)

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](#)

Family and Consumer Sciences

Major(s)

Family and Consumer Sciences

Bachelor of Science in Education

(Certifiable grades Birth-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [PSY 121\(3\)](#); [CHM 105\(5\)](#) or [CHM 106\(4\)](#); [BIO 102\(4\)](#) or [121\(4\)](#) or [BMS 110\(4\)](#); [SOC 150\(3\)](#)
- B. Major Requirements: [BMS 130\(3\)](#) or [240\(3\)](#); [CFD 155\(3\)](#), [160\(3\)](#), [163\(3\)](#), [250\(3\)](#), [361\(3\)](#); [FCS 120\(2\)](#), [301\(3\)](#), [335\(2\)](#), [373\(3\)](#), [472\(3\)](#), [507\(1\)](#); [HID 140\(3\)](#); [HRA 218\(3\)](#), [321\(3\)](#)
- C. Professional Education Courses
1. [FCS 493\(6\)](#), [494\(6\)](#), [512\(3\)](#), [515\(3\)](#)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Health Education (certifiable grades 9-12, added endorsement only): Students who complete the Bachelor of Science in Education 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 which includes all courses listed above.

Fashion Merchandising and Design

Major(s)

Fashion Merchandising and Design (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [PSY 121\(3\)](#); [ECO 155\(3\)](#)
- B. Major Requirements. Grades of C or better are required in all FMD courses to advance to the next level of coursework and to graduate from this program.
- a. Core Requirements (37 hours): [FMD 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\(3\)](#)
- b. Complete one of the options:
- i. **Fashion Design and Product Development** (25 hours): [ART 115\(3\)](#); [FMD 270\(3\)](#), [370\(3\)](#), [371\(3\)](#), [372\(3\)](#), [402\(4\)](#), [470\(3\)](#), [570\(3\)](#)
- ii. **Fashion Merchandising and Management** (28 hours): [ACC 201\(3\)](#); [LAW 231\(3\)](#); [FMD 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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); [HRA 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); [HRA 218](#)(3), [321](#)(3), plus additional electives to bring total to at least 24 hours.

Housing and Interior Design

Minor(s)

Housing and Interior Design

Bachelor of Arts

Bachelor of Science

Select 18 hours, with approval of an HID advisor, from: [HID 140\(3\)](#), [201\(3\)](#), [202\(3\)](#), [208\(3\)](#), [241\(3\)](#), [303\(3\)](#)

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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirement: [MTH 135](#) or higher, [PSY 121\(3\)](#)
- B. Major Requirements
 - 1. [ART 115\(3\)](#), [215\(3\)](#); [ACC 201\(3\)](#); [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\(3\)](#); [MKT 350\(3\)](#); [TCM 122\(3\)](#), [221\(3\)](#), [313\(3\)](#), [320\(3\)](#), [321\(3\)](#), [322\(3\)](#)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Department of Finance and General Business

Programs

Includes accelerated master's option

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

[Master of Business Administration](#) (MBA) Administered by the College of Business

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 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.

Contact

Department head

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417-836-5504

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Website

www.missouristate.edu/fgb

Finance and General Business Faculty

(as of July 23, 2013)

Distinguished professor

[Carol J. Miller, MBA, JD](#)

Professors

[Wayne L. Anderson, MBA, JD](#)

[C. Edward Chang, PhD](#)

[Susan J. Crain, PhD](#)

[Kent P. Ragan, PhD, CFA](#)

Associate professors

[Stanley R. Adamson, PhD, ARM](#)

[K. Stephen Haggard, PhD](#)

[Stanley A. Leasure, CPA \(inactive\), JD](#)

[James D. Philpot, PhD](#)

[Walt A. Nelson, PhD](#)

[H. Douglas Witte, PhD](#)

[Y. Jenny Zhang, PhD](#)

Assistant professors

[Jeffrey S. Jones, PhD](#)

[James R. Scott, PhD](#)

Senior instructor

[Nancy J. Allen, JD](#)

Emeritus professors

[John E. Adamson, MBA, JD](#)

[Vencil J. Bixler, PhD, CLU, ChFC](#)

[John S. Bowdidge, PhD](#)

Ivan D. Calton, EdD

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, MS in Ed

[James B. Pettijohn, PhD](#)

[George S. Swales, Jr., PhD](#)

Department of 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 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.

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](#)

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

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

[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. This course may not be used to satisfy any requirements for a College of Business major. Students may not 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. Cannot 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

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 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

[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

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 permission from the MBA Program Director; 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: 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

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

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 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 permission from the MBA Program Director; 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

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](#)

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

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](#)

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

[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](#)

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](#)

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 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

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

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)

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. Students who receive credit for LAW 532 may not also receive credit for 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](#)

[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](#)

Finance

Major(s)

Finance (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- C. Major Requirements (32-33 hours)
- [FIN 384](#)(3), [390](#)(3), [485](#)(3); [INS 211](#)(3); [LAW 335](#)(2) or [532](#)(3)
 - Complete one of the following options:

a. Finance:

- [FIN 266](#)(3), [487](#)(3), [586](#)(3)*
- Complete one of the following: [FIN 480](#)(3), [589](#)(3), [599](#)(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:

- [ACC 321](#)(3)
- [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:

- [FIN 266](#)(3), [367](#)(3), [FIN 368/LAW 368](#)(3), [FIN 369](#)(3)
- 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Finance

Bachelor of Applied Science

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 Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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.

Financial Planning

Minor(s)

Financial Planning

Bachelor of Applied Science

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- 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), [270](#)(3), [290](#)(3); [370](#)(3) or [510](#)(3); [375](#)(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), [561](#)(3); [TCM 337](#)(3), [359](#)(3), [456](#)(3)
 - g. Marketing: [MKT 351](#)(3), [352](#)(3), [354](#)(3), [355](#)(3), [430](#)(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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

General Business

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

- A. [ACC 201](#)(3)*, [211](#)(3)*; [BUS 135](#)(3); [CIS 101/CSC 101](#)(2)**; [CIS 201](#)(2); [LAW 231](#)(3)
- B. Complete six additional hours from the following: [BUS 550/LAW 550](#)(3); [FIN 266](#)(3), [380](#)(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), [350](#)(3), [355](#)(3); [QBA 237](#)(3)

*[ACC 206](#)(4) may substitute for [ACC 201](#) and [ACC 211](#).

**May be waived by proficiency exam.

Accelerated Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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.

Legal Studies in Business

Minor(s)

Legal Studies in Business

Bachelor of Applied Science

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 (COBA 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-COBA 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 Applied Science

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Risk Management and Insurance

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

- A. [BUS 135](#)(3) or [FIN 150](#)(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); Statistics**

** Students interested in actuary programs may select six hours of mathematics and/or statistics with permission of Finance and General Business and Mathematics department heads.

Accelerated Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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 Management

Programs

Includes accelerated master's option

Undergraduate

[Entertainment Management](#) (BS, Minor)

[Entrepreneurial Studies](#) (Minor)

[Entrepreneurship](#) (BS, Minor)

[Entrepreneurship](#) (Certificate)

[Human Resources Management/Industrial-Relations](#) (Minor)

[International Management](#) (Minor)

[Leadership](#) (Minor)

[Management](#) (BS, Minor)

[Operations Management](#) (Minor)

Graduate

[Health Administration, Master of](#) (MHA)

[Health Administration](#) (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

General information

Health care management

Health Care Management courses and a [Health Care Management minor](#) are offered through the Nursing Department.

Contact

Department head

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Management Faculty

(as of July 23, 2013)

Professors

[D. Keith Denton, PhD](#)

[William Donoher, PhD](#)

[Corinne M. Karuppan, PhD](#)

[Peter Richardson, PhD](#)

[Elizabeth Rozell, PhD](#)

[Steven L. Thomas, PhD](#)

[Barry L. Wisdom, PhD](#)

Associate professors

[Vinay K. Garg, PhD](#)

[Dana L. Haggard, PhD](#)

[Wesley A. Scroggins, PhD](#)

Assistant professors

[Melody LaPreze, PhD](#)

[D. Michael Leibert, DhA](#)

[Philip Rothschild, PhD](#)

Instructors

[Michal Dale, MA](#)

[Dana J. Frederick, MBA](#)

[Joyce E Lopez, MSED](#)

[Glenn R. Pace, MBA](#)

Emeritus professors

[Yohannan T. Abraham, PhD](#)

Charles W. Boyd, PhD

[Karen L. Brown, DBA](#)

[Mary K. Coulter, PhD](#)

Lena M. Cunningham-Smith, EdD

[Patricia Feltes, PhD](#)

Kenneth Horn, EdD

Thomas H. Inman, EdD

[Robert O. Lunn, PhD](#)

Mona (Casady) Niewald, PhD

Arnola C. Ownby, EdD

[Robert L. Trewatha, PhD](#)

Bobby C. Vaught, PhD

[Lynn E. Wasson, EdD](#)

Ralph W. Williams, PhD

[Karen Lee Woodall, EdD](#)

Emeritus instructor

Patricia A. Lambert, MBA

Management Courses

Management (MGT) courses

MGT 211 Talent Management in the Entertainment Industry

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: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Upon demand

[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 credit 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 credit 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 credit hours.

A course designed specifically for non-business majors

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 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.

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. May not 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 credit 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. Does not count toward Business Administration major. May not 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 Organizational Behavior and Management

Prerequisite: 54 credit 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 to take ACC 555. This course may not be taken Pass/Not Pass.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MGT 341 Advanced Organization Behavior and Development

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

An in-depth study of individual and organizational behaviors and processes. 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 Organization Structure and Design

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, and effectiveness.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

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 565 Advanced OM: Business Process Management

Prerequisite: MGT 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 MGT 675. Cannot receive credit for both MGT 675 and MGT 565.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

MGT 567 Practicum in Operations

Prerequisite: MGT 364; and one of the following: MGT 367, MGT 368 (or equivalent), MGT 467, MGT 565 or MGT 611; and undergraduate business majors must be admitted to degree program.

Real-life experience in applying operational techniques to business and non-profit organizations. Students interests are matched to needs of local organizations to create hands-on projects. May be taught concurrently with MGT 677. Cannot receive credit for both MGT 677 and MGT 567.

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 345 Human Resources Management

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

A study of the personnel functions of procurement, development, compensation, integration, and the maintenance of human resources within the framework of total available resources used in the accomplishment of organizational goals.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MGT 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](#)

MGT 367 Purchasing and Supply Management

Prerequisite: MGT 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](#)

MGT 368 Management Decision Making

Prerequisite: MGT 364; and undergraduate business majors must be admitted to degree program.

Quantitative techniques that aid the manager in making rational decisions. A study of the methods used in evaluating and selecting resources relative to achieving organizational objectives.

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**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 675 Advanced OM: 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 MGT 565. Cannot receive credit for both MGT 565 and MGT 675.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

MGT 677 Practicum in Operations

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: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Prerequisite: MGT 600.

Real-life experience in applying operational techniques to business and non-profit organizations. Students interests are matched to needs of local organizations to create hands-on projects. May be taught concurrently with MGT 567. Cannot receive credit for both MGT 567 and MGT 677.

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 Organizational Behavior in Healthcare Organizations

Prerequisite: MGT 600 or equivalent.

Typically offered: Upon demand

[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-event activities.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Upon demand

[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 Foundations and Development

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

The focus of this course is a comprehensive review of the writings and theories of leadership. Students will evaluate leadership traits and behavior, the effects of reciprocal influences, transformational leadership, the role of power versus authority, followership, and related matters. Focuses on building skills to inspire and organize people to achieve goals. Applications of theory to practice will be emphasized. Includes 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: Fall

[Projected offerings](#)

MGT 441 Authentic Leadership in Business

Prerequisite: MGT 440; and undergraduate business majors

The course will involve the study of individual and group behavior viewed from a leadership perspective within a healthcare organization with specific emphasis on leadership styles, ethics, motivational techniques, conflict resolution and professional norms in relationship to the various healthcare stakeholders and providers. Attention is focused on organizational dynamics, culture and governance of the different business entities involved in the delivery of healthcare services.

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](#)

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 undergraduate business majors must be admitted to degree program.

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

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

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 Industrial Relations

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

A study of environmental and policy considerations involved between management and labor unions in the industrial relations process. Emphasis is placed on the nature, process, and types of collective bargaining relationships; the interface between parties in preserving effective industrial relations within organizations; and promoting economic stability and growth.

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 467 Service Operations Management

Prerequisite: MGT 364 and undergraduate business majors must be admitted to degree program.

The study of operational initiatives and strategic issues to improve service performance. Application of techniques to investigate and resolve problems relative to quality, productivity, and effectiveness in the service firm environment.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[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 credit hours including FIN 380 and MKT 350 and MGT 364 (Marketing majors may substitute MKT 450 for

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 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 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](#)

Entertainment Management

Major(s)

Entertainment Management (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- C. Major Requirements (33 hours)
 - 1. [MGT 310](#)(3), [345](#)(3), [410](#)(3), [494](#)(3); [MKT 410](#)(3); [ACC 311](#)(3); [LAW 335](#)(2)
 - 2. Complete 12 hours from the following: [MGT 341](#)(3), [367](#)(3), [368](#)(3), [397](#)(3), [465](#)(3), [486](#)(3); [FIN 266](#)(3), [390](#)(3); [INS 415](#)(3); [THE 150](#)(2), [250](#)(2) or [255](#)(2), [354](#)(3), [495](#)(3); [HRA 215](#)(3), [430](#)(3); [REC 320](#)(3), [422](#)(3); [COM 439](#)(3); [GRY 308](#)(3), [310](#)(3); [MUS 362](#) or [375](#) or [376](#) or [393](#)(1); [MUS 529](#)(3)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - [COBA College of Business Admission and Program Requirements](#) section of catalog
- C. Major Requirements (29-30 hours)
 - 1. [FIN 390](#)(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: [ACC 311](#)(3); [BUS 510](#)(3); [MGT 367](#)(3), [368](#)(3), [447](#)(3); [LAW 335](#)(2); [MKT 474](#)(3); [TCM 458](#)(3), [511](#)(3)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Entrepreneurship

Bachelor of Science

- A. [FIN 390](#)(3); [MGT 345](#)(3), [384](#)(3), [543](#)(3)
- B. Complete 6 hours from: [BUS 510](#)(3); [MGT 341](#)(3), [367](#)(3), [447](#)(3), [561](#)(3); [MKT 352](#)(3) or [354](#)(3) or [355](#)(3)

Human Resources Management/Industrial-Relations

Minor(s)

Human Resources Management/Industrial-Relations

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

A. [ACC 201\(3\)](#); [ECO 155\(3\)](#); [MGT 340\(3\)](#), [345\(3\)](#)

B. Complete two courses from: [MGT 450\(3\)](#), [451\(3\)](#), [465\(3\)](#), [466\(3\)](#), [546\(3\)](#)

Related electives but not required for a minor: [ECO 310\(3\)](#); [LAW 531\(3\)](#); [MGT 341\(3\)](#); [PSY 529\(3\)](#); [SOC 309\(3\)](#)

International Management

Minor(s)

International Management

Bachelor of Applied Science

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\(3\)](#), [440\(3\)](#), [441\(3\)](#), [442\(3\)](#)

Management

Major(s)

Management (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- C. Major Requirements

Complete one of the following options:

1. Administrative Management:

- a. [ACC 311](#)(3); [MGT 341](#)(3), [342](#)(3), [345](#)(3), [368](#)(3); [QBA 337](#)(3)
- b. Complete two courses from: [LAW 335](#)(2); [MGT 367](#)(3), [384](#)(3), [397](#)(3), [442](#)(3), [447](#)(3), [465](#)(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. Operations Management:

- a. [ACC 311](#)(3); [MGT 341](#)(3), [345](#)(3), [368](#)(3); [QBA 337](#)(3)
- b. Complete three course from: [ACC 556](#)(3); [MGT 367](#)(3), [447](#)(3), [467](#)(3), [565](#)(3), [567](#)(3); [TCM 359](#)(3)

4. 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Management

Bachelor of Applied Science

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), [364](#)(3), [367](#)(3), [368](#)(3), [384](#)(3), [560](#)(3), [561](#)(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 364](#)(3), [367](#)(3), [368](#)(3), [560](#)(3), [561](#)(3)

Accelerated Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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.

Accelerated Master of Health Administration degree

Undergraduate majors in the College of Business may apply for admission to the Master of Health Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MHA graduation requirement, students exercising the accelerated MHA option will be required to have had one year of professional experience or a 3 hour internship. 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.

Operations Management

Minor(s)

Operations Management

Bachelor of Science

A. [ACC 201\(3\)](#), [211\(3\)](#); [ECO 165\(3\)](#); [MGT 340\(3\)](#), [364\(3\)](#); [QBA 237\(3\)](#)

B. Complete three courses from the following (not required in any other program): [ACC 311\(3\)](#), [556\(3\)](#); [MGT 367\(3\)](#), [368\(3\)](#), [447\(3\)](#), [467\(3\)](#), [565\(3\)](#), [567\(3\)](#); [TCM 359\(3\)](#)

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 COBA degree program.

Required Courses: [ACC 201\(3\)](#); [FIN 350\(3\)](#); [MGT 340\(3\)](#), [384\(3\)](#); [MKT 350\(3\)](#)

Department of Marketing

Programs

Includes accelerated master's option

Undergraduate

[Advertising and Promotion](#) (Minor)

[Marketing](#) (BS, Minor)

[International Marketing](#) (Minor)

[Selling](#) (Minor)

[Logistics and Supply Chain Management](#) (BS, Minor)

Graduate

[Master of Business Administration](#) (MBA) Administered by the College of Business

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

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Marketing Faculty

(as of July 23, 2013)

Professors

[Melissa S. Burnett, PhD](#)

[James E. Cofer, Sr. EdD](#)

[Ronald L. Coulter, PhD](#)

[Charles M. Hermans, PhD](#)

[Nancy K. Keith, PhD](#)

[John L. Kent, PhD](#)

[R. Stephen Parker, DBA](#)

[Dane K. Peterson, PhD](#)

[Allen D. Schaefer, PhD](#)

Associate professor

[Ronald A. Clark, PhD](#)

[Christina S. Simmers, PhD](#)

Assistant professors

[Peggy S. Gilbert, MBA](#)

[Georg Alex Hamwi, PhD](#)

[Ahren Johnston, PhD](#)

Instructors

[Mary H. Chin, MBA](#)

[Sherry J. Cook, MBA](#)

[Christopher H. Ellis, MBA](#)

[Courtney R. Pham, MBA](#)

[Patrick R. Sells, MBA](#)

Emeritus professors

T. Sam Brown, PhD

[Robert H. Luke, PhD](#)

Janice E. Parmley, MA

[Charles E. Pettijohn, DBA](#)

[Lois M. Shufeldt, PhD](#)

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. May not 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 credit 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

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](#)

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 purposes, principles and procedures; development of appeals, media selection, layout, copy preparation; measures of advertising effectiveness.

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 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

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 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.

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 430 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 440 Logistics Models

Prerequisite: MKT 430; and undergraduate business majors must be admitted to degree program.

This course investigates the role of information management and decision support methods in the planning and management of supply chains and related processes. The course addresses techniques and methods used in facility location; forecasting; inventory control; routing and scheduling; purchasing; warehousing and other 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

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 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

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. Activity includes campaign design and development, strategic planning, media buying strategy, national, global and ethical issues; recent developments in advertising will also be addressed.

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 440 or 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

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

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 470 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 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](#)

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](#)

Quantitative Business Analysis (QBA) courses

QBA 237 Basic Business Statistics

Prerequisite: CIS 101 or CSC 101; and grade of C or better in MTH 135 or higher (excluding MTH 130, formerly MTH 145).

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. A student may not 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](#)

Advertising and Promotion

Minor(s)

Advertising and Promotion

Bachelor of Applied Science

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 Applied Science

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

Major(s)

Logistics and Supply Chain Management (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- C. Major Requirements
 - 1. [MKT 430](#)(3), [440](#)(3), [450](#)(3), [460](#)(3)
 - 2. Complete four courses from: [MKT 351](#)(3), [352](#)(3), [360](#)(3), [394](#)(3); [464](#)(4) or [474](#)(3), [472](#)(3); [MGT 367](#)(3); [MGT 368](#)(3); [QBA 337](#)(3); [GRY 321](#)(3)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Logistics and Supply Chain Management

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

- A. [MKT 350](#)(3), [430](#)(3), [440](#)(3), [450](#)(3)
- B. Complete one course from: [MGT 367](#)(3); [MKT 410](#)(3), [460](#)(3), [464](#)(3)

Marketing

Major(s)

Marketing (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. College of Business Admission and Program Requirements - see [College of Business Admission and Program Requirements](#) section of catalog
- 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), [430](#)(3); [MGT 397](#)(3)
 2. Complete two of the following: [MKT 354](#)(3), [355](#)(3), [410](#)(3), [452](#)(3), [470](#)(3); [476](#)(3) or [510](#)(3)
 - c. **Marketing Research**
 1. [MKT 352](#)(3), [470](#)(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), [410](#)(3), [430](#)(3)
 3. Recommended electives (not required): [MGT 367](#)(3), [450](#)(3); [THE 125](#)(2), [222](#)(3)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Marketing

Bachelor of Applied Science

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), [380](#)(3), [410](#)(3), [430](#)(3), [451](#)(3), [452](#)(3), [455](#)(3), [456](#)(3), [470](#)(3), [472](#)(3), [474](#)(3), [476](#)(3), [480](#)(3), [485](#)(3)

Accelerated Master of Business Administration

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level courses taken in the senior year may be counted toward both the undergraduate and graduate degrees (Mixed Credit). As an MBA graduation requirement, students exercising the accelerated MBA option will be required to have had one year of professional experience or a 3 hour internship. 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.

Selling

Minor(s)

Selling

Bachelor of Applied Science

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.

Department of Technology and Construction Management

Programs

Includes accelerated master's option

Undergraduate

[Construction Management](#) (BS)

[Manufacturing Management](#) (Certificate)

[Facility Management](#) (BS)

[Technology Management](#) (BAS, BS)

[Industrial Management](#) (Minor)

Graduate

[Project Management](#) (MS)

Courses are offered toward the Project Management option within the [Administrative Studies](#) Program (MS)

[Project Management](#) (Certificate)

[Technology Management](#) (Certificate)

Accreditation

- American Council for Construction Education – Construction Management (BS)

Accelerated Master of Science in Project Management

Undergraduate students may apply for preliminary acceptance into the Project Management program their junior year after admission requirements for the accelerated masters option have been satisfied. If approved, up to 12 hours of 600-level or 700-level TCM courses may be counted toward both the undergraduate and graduate degree programs (Mixed Credit). 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.

Contact

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Technology and Construction Management Faculty

(as of July 23, 2013)

Professors

[R. Neal Callahan, PhD](#)

[Dianne K. Slattery, PE, PhD](#)

Associate professors

[Richard J. Gebken, PhD](#)

[Martin P. Jones, PhD](#)

Assistant professors

[Rita S. Hawkins, PhD](#)

[Kevin M. Hubbard, PhD](#)

[David S. Joswick, MTech](#)

[Kerry T. Slattery, PE, PhD](#)

Instructor

[David S. Joswick, MTech](#)

Emeritus professors

Robert B. Beach, EdD

[Gary O. Bennett, MS](#)

[Lawrence C. Drake, EdD](#)

Armin F. Gimbel, EdD

[Clifford L. House, EdD](#)

[Keith L. Johnston, EdD](#)

[Yuan H. Liu, PhD](#)

Olan C. Oatman, MEd

Orin R. Robinson, EdD

Jerry D. Routh, EdD

Eugene G. Sherrell, EdD

[Rathel R. Smith, MS, CPI](#)

Houston Taylor, EdD

Technology and Construction Management Courses

Technology and Construction Management (TCM) courses

TCM 110 Industrial Design with Computer Applications

Introduction to software tools (computer aided design drafting, computer mathematics, word processing, spread sheets) with application to industry practice. Principles of design including basic orthographic drafting, sketching theory and conventions, auxiliaries, sections and dimensioning. A semester long group design project is an integral part of the course.

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 221 Construction Drawings and Quantity Take-off

Prerequisite: TCM 121 or TCM 122.

An introduction to working drawings and specifications commonly encountered in construction. Laboratory exercises in sketching theory and conventions, sectioning and dimensioning, classifying work, developing quantity take-offs of construction materials, and interpreting construction documentation.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

[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 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 366.

Emphasizes the use, processes for evaluating, and implementation of facility management technologies including integration of the various facility functions.

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: Spring

[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.

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 Engineering Graphics

Prerequisite: TCM 110.

The application of DFMA (Design for Manufacturability and Assembly) to produce part and assembly models utilizing feature-based 3D solid modeling software. Topics include: design cycle, working drawings, blueprint reading, technical presentation, fit classifications, dimensioning per ANSI Y14.5M and geometric dimensioning and tolerancing.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Spring

[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 318 Structural Design Principles

Prerequisite: TCM 267.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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: Fall

[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 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 350 or QBA 237.

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; 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 323 Construction Surveying

Prerequisite: TCM 122; and MTH 261 or MTH 287; and 53 hours.

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

[Projected offerings](#)

TCM 324 Construction Cost Estimating

Prerequisite: TCM 122 and 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

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 industrial management majors must be admitted to the 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 industrial management majors must be admitted to the 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 industrial management majors must be admitted to the 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 industrial management majors must be admitted to the 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

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 Emerging Technologies in Materials and Processes

The study and application of basic electronics and materials (metals, ceramics, polymers, and composites) used in emerging technologies and their impact on the development of innovative products and processes.

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 Industrial Equipment and Control

Prerequisite: TCM 322 or TCM 331.

Examines industrial power delivery systems and their control including electrical and mechanical systems. Laboratory experiences will include an introduction to motors, motor controls, and programmable logic controllers. 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

Prerequisite: TCM 337.

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: Spring

[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

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

[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: Summer

[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.

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.

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

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: Fall

[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: Spring

[Projected offerings](#)

TCM 411 Mechanical Design and Analysis

Prerequisite: TCM 311.

A study of CAD management professional's role in the decision

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 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](#)

and design processes used to create components and systems. Topics include: design phases, team interaction and leadership, group technical communication via the Internet, material and process evaluation for sustainable, economical and LEAN design, application of codes and standards, and design of mechanical and piping systems.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2
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 and TCM 359.

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 426 Construction Project Administration

Prerequisite: TCM 320.

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 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](#)

Construction Management

Major(s)

Construction Management (Comprehensive)

Bachelor of Science

Admission Requirement

Passing grade in MTH 261, 285, or 287.

Program Requirements

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

Specific General Education Requirements:

1. Culture and Society: [ECO 155\(3\)](#); [PHI 115\(3\)](#)
2. Self-Understanding: [PSY 121\(3\)](#)
3. Writing II: [ENG 321\(3\)](#) is recommended
4. Mathematics: Choose one from [MTH 261\(5\)](#), [285\(3\)](#), or [287\(3\)](#). Students taking MTH 285 must also take [CIS 201\(2\)](#) or [QBA 337\(3\)](#).
5. Natural World: choose either [PHY 123\(4\)](#) or [PHY 203\(5\)](#), and one additional science course with lab. [GLG 110](#) or [GRY 142](#) is recommended.

B. Major Requirements (77 hours)

1. [TCM 121\(3\)](#), [122\(3\)](#), [221\(3\)](#), [267\(3\)](#), [318\(3\)](#), [320\(3\)](#), [321\(3\)](#), [322\(3\)](#), [323\(3\)](#), [324\(3\)](#), [326\(3\)](#), [359\(3\)](#), [425\(3\)](#), [426\(3\)](#), [427\(3\)](#); [454\(3\)](#) or [455\(3\)](#); [456\(3\)](#); [453\(3\)](#) or [551\(3\)](#); [494\(1\)](#), [499\(1\)](#); [ACC 201\(3\)](#); [LAW 231\(3\)](#); [QBA 237\(3\)](#)
2. Complete three hours from the following: [ACC 211\(3\)](#), [311\(3\)](#); [BUS 135\(3\)](#); [CIS 201\(2\)](#); [ECO 165\(3\)](#); [FIN 380\(3\)](#), [FIN 368/LAW368\(3\)](#), [LAW 332\(1\)](#), [335\(2\)](#), [531\(3\)](#), [532\(3\)](#); [MGT 345\(3\)](#), [364\(3\)](#), [367\(3\)](#), [368\(3\)](#), [465\(3\)](#); [MKT 350\(3\)](#), [355\(3\)](#), [430\(3\)](#), [440\(3\)](#), [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): upper division TCM electives
 - b. Mechanical and Electrical Systems Construction (9 hours): [TCM 366\(3\)](#), [424\(3\)](#); [347\(3\)](#) or [438\(3\)](#)
 - c. Facility Planning and Design (9 hours): [HID 208\(3\)](#); [TCM 313\(3\)](#), [TCM 354\(3\)](#)
 - d. Healthcare Construction (9 hours): [BIO 210\(3\)](#); [TCM 502\(3\)](#), [TCM 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 Unit will be allowed - [CIS 101](#), QBA and ECO courses do not apply to the 31 hours

C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master of science degree in project management

Undergraduate students may apply for preliminary acceptance into the Project Management program their junior year after admission requirements for the accelerated masters option have been satisfied. If approved, up to 12 hours of 600-level or 700-level TCM courses may be counted toward both the undergraduate and graduate degree programs (Mixed Credit). 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.

Facility Management

Major(s)

Facility Management (Comprehensive)

Bachelor of Science

Admission Requirement

"C" grade or better in MTH 181(3)

Program Requirements

1. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education requirements:
 - a. Culture and Society/Social Science Perspective: [ECO 155](#)(3)
 - b. Self-Understanding/Social-Behavioral Perspective: [PSY 121](#)(3)
 - c. Mathematics: [MTH 181](#)(3)
 - d. Natural World: [BIO 102](#)(4); [CHM 105](#)(5)
2. Major Requirements (74 hours)
 - a. Core courses (23 hours): [TCM 320](#)(3), [337](#)(3), [359](#)(3), [455](#)(3), [456](#)(3), [494](#)(1), [499](#)(1), [551](#)(3); [FIN 266](#)(3)
 - b. Facility Management courses (21 hours): [TCM 221](#)(3), [303](#)(3), [313](#)(3), [324](#)(3), [354](#)(3), [401](#)(3), [402](#)(3)
 - c. Facility Management Technical courses (21 hours): [TCM 121](#)(3), [122](#)(3), [321](#)(3), [322](#)(3), [347](#)(3), [366](#)(3), [438](#)(3)
 - d. Select one of the following option areas (9 hours):
 - i. **Healthcare:** [BIO 210](#)(3); [TCM 502](#)(3), [503](#)(3)
 - ii. **Hospitality:** [HRA 210](#)(3), [215](#)(3), [218](#)(3)
 - iii. **Industrial/Production:** [TCM 110](#)(3), [355](#)(3), [555](#)(3)
 - iv. **Property Management:** [FIN 367](#)(3), [368](#)(3), [369](#)(3)
3. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master of science degree in project management

Undergraduate students may apply for preliminary acceptance into the Project Management program their junior year after admission requirements for the accelerated masters option have been satisfied. If approved, up to 12 hours of 600-level or 700-level TCM courses may be counted toward both the undergraduate and graduate degree programs (Mixed Credit). 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.

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)

Manufacturing Management Certificate

Manufacturing Management

The certificate in Manufacturing Management provides a 12 hour educational experience with direct application to the needs of individuals currently employed in manufacturing related fields seeking professional growth and advancement within their profession.

Entrance Criteria: To be considered for this certificate program, a student must have completed a college algebra course, a basic drafting course, and have prior manufacturing related technical education and/or experience. This requirement can be satisfied by completion of: [MTH 135](#), [TCM 110](#), and [TCM 331](#); an appropriate technical degree/courses; or three years of related work experience. An admission interview with a program mentor is also required.

Required Courses: [TCM 350](#)(3), [354](#)(3), [355](#)(3), [359](#)(3)

GPA Requirement: Attain a grade point average of at least 2.00 on all certificate coursework at Missouri State.

Technology Management

Major(s)

Technology Management (BAS)

Bachelor of Applied Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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\(3\)](#)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Technology Management (Non-Comprehensive) (BS)

Bachelor of Science

Admission requirement

"C" grade or better in MTH 135 or higher

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements:
 - 1. Mathematics: [MTH 135\(3\)](#) or higher
 - 2. Self-Understanding: [PSY 121\(3\)](#) recommended
- B. Major Requirements (60 hours)
 - 1. [TCM 337\(3\)](#), [350\(3\)](#), [358\(3\)](#), [359\(3\)](#), [455\(3\)](#), [456\(3\)](#), [458\(3\)](#), [494\(1\)](#), [551\(3\)](#)
 - 2. Complete one of the following options:
 - a. 35 hours of approved technical transfer credit
 - b. [ACC 201\(3\)](#); [LAW 231\(3\)](#); [TCM 110\(3\)](#), [303\(3\)](#), [331\(3\)](#), [347\(3\)](#), [355\(3\)](#), [365\(3\)](#), [511\(3\)](#), and TCM electives (8)
- C. **Approved** Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master of science degree in project management

Undergraduate students may apply for preliminary acceptance into the Project Management program their junior year after admission requirements for the accelerated masters option have been satisfied. If approved, up to 12 hours of 600-level or 700-level TCM courses may be counted toward both the undergraduate and graduate degree programs (Mixed Credit). 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.

College of Education

Programs

Includes accelerated master's option

Undergraduate

[Child and Family Development](#) (BS, Minor)

[Middle School Education](#) (BSEd)

[Early Childhood Education](#) (BSEd)

[Literacy](#) (Minor)

[Elementary Education](#) (BSEd)

[Special Education/Cross-Categorical](#) (BSEd)

Graduate

[Autism Spectrum Disorders](#) (Certificate)

[Educational Technology Specialist](#) (Certificate)

[Counseling and Assessment](#) (EdS)

[Elementary Education](#) (MSEd)

[Counseling](#) (MS)

[Literacy](#) (MSEd)

[Early Childhood and Family Development](#) (MS)

[Master of Arts in Teaching](#) (MAT)

[Educational Administration](#) (MSEd, EdS)

[Orientation and Mobility](#) (Certificate)

[Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia](#) (EdD)

[Special Education](#) (MSEd)

[Educational Technology](#) (MSEd)

[Student Affairs in Higher Education](#) (MS)

Center for Research and Service

Institute for School Improvement

The mission of the [Institute for School Improvement](#) is to achieve improved learning through research and development collaborations between PreK-12 schools, community constituents, and higher education institutions. The director and staff, including faculty associates and graduate assistants, work collaboratively with school and community partners to design, implement, and evaluate projects that link theory and research to practice.

Teacher certification

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 (\$50 fee required), advisement and assistance to gain certification and/or additional endorsements.

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, Donna Breault, PhD, (417) 836-3262

- Early Childhood Education (Birth-grade 3)
- Elementary Education (1-6)

Communication Sciences and Disorders, Letitia White, PhD, (417) 836-5368

- Speech/Language Specialist (K-12)
- Deaf/Hearing Impaired (K-12)

Contact

Interim dean

[David L. Hough, PhD](#)

Associate deans

[O. Gilbert Brown, EdD](#)

[James Sottile, EdD](#)

Office

Hill Hall, Room 304

Phone

417-836-5254

Fax

417-836-4884

Email

CollegeofEducation@MissouriState.edu

Website

education.missouristate.edu

Counseling, Leadership, and Special Education, Tamara J. Arthaud, PhD, (417) 836-5449

- Special Education:
 - Mild/Moderate: Cross Categorical (K-12)
 - Blind and Partially Sighted (K-12)*

Reading, Foundations, and Technology, Cathy Pearman, PhD, (417) 836-6769

- Middle School (5-9):
 - Language Arts
 - Social Studies
 - Mathematics
 - Science
- Additional Endorsements can be added in:
 - Agriculture*
 - Business*
 - Drama*
 - Speech*

Secondary Education (9-12 and K-12), Rebecca Woodward, PhD, (417) 836-6204

- Agriculture (9-12)
- Art (K-12)
- Business (9-12)
- English (9-12)
 - English for Speakers of Other Languages (K-12)*
- Family and Consumer Sciences (Birth-12)
- Foreign Language (K-12)
 - French
 - German
 - 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.

Department of Childhood Education and Family Studies

Programs

Includes accelerated master's option

Undergraduate

[Child and Family Development](#) (BS, Minor)

[Elementary Education](#) (BSEd)

[Early Childhood Education](#) (BSEd)

Graduate

[Early Childhood and Family Development](#) (MS)

[Elementary Education](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Early Childhood Education (BSEd), and Elementary Education (BSEd, MSEd)
- National Council for Accreditation of Teacher Education – Early Childhood Education (BSEd), and Elementary Education (BSEd, MSEd)
- Missouri Accreditation of Childhood Care and Education Programs – Child Development Center
- National Association for the Education of Young Children – Early Childhood Education (BSEd)

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, Hill Hall, room 202, (417) 836-5429.

Contact

Department head

[Donna Breault, PhD](#)

Office

Hill Hall, Room 301A

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Childhood Education and Family Studies Faculty

(as of July 23, 2013)

Professors

[Roberta J. Aram, PhD](#)

[Sabrina Brinson, PhD](#)

[David W. Brown, EdD](#)

[Cynthia K. Hail, PhD](#)

[James A. Meyer, PhD](#)

[Christine Combs, EdD](#)

[Cynthia L. Freeman](#)

[Vickie L. Haynes, EdS](#)

[Cynthia McMeley](#)

[Kim Roam, MS](#)

[V. Jane Ward, EdSp](#)

[Gina M. Wood, EdD](#)

Associate professors

[Joanna J. Cemore Brigden, PhD](#)

[Denise D. Cunningham, PhD](#)

[Mary Beth Mann, PhD](#)

[Diana Piccola, PhD](#)

[Joan Test, EdD](#)

Emeritus professors

Haldon D. Funk, EdD

[John M. Hail III, 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](#)

Instructors

Childhood Education and Family Studies Courses

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: 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 "C" 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:** 1 **Lab contact hours:** 3

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

ELE 602 Social Studies Instruction in the Elementary School

Prerequisite: ELE 302 and permission of Director of Graduate Program in consultation with the Teacher Certification and Compliance Office.

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. Course limited to certification students only.

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: ELE 302 and permission of Director of Graduate Program in consultation with the Teacher Certification and Compliance Office.

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. Course limited to certification students only.

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: ELE 302; and 10 hours of science (one course in biology, one course in physical science and one course in earth science); and permission of Director of Graduate Program in consultation with Teacher Certification and Compliance Office.

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. Course limited to certification students only.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ELE 605 The Reflective Practitioner

Prerequisite: permission; 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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ELE 710 Elementary School Curriculum

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: RDG 318; and 6 hours of English; and admitted to Teacher Education Program; and permission of department head.

A 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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

ELE 429 Methods of Teaching of Mathematics in Elementary Schools

Prerequisite: ELE 410 and MTH 320 and MTH 360 and RDG 420 and RDG 421; 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: ELE 410 and RDG 420 and RDG 421; and 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: ELE 410 and RDG 420 and RDG 421; and 8 hours of history and/or social science; 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.

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](#)

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 with 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 "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.

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 or SEC 493 or SPE 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: 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

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 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](#)

activities appropriate to the assignment, demonstrated mastery of the MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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: ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421.

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.

Credit hours: 3-5 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Fall, Spring

[Projected offerings](#)

ELE 510 The Reflective Practitioner

Prerequisite: 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.

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: permission.

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

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

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](#)

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](#)

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 B.S. in Education degrees. May be repeated to a maximum of 3 hours credit.

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.

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](#)

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 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.

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 conduct 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 676 Topical Issues in Education

Prerequisite: permission.

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or

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 conduct 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](#)

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 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](#)

Early Childhood Education (ECE) courses

ECE 301 Emerging Literacy and Communication Arts

Prerequisite: 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. Monthly workshops jointly taught by College of Arts and Letters and College of Education faculty covering content of creative arts will occur. Field experiences including creative arts are a part of the course.

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: 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

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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](#)

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. Monthly workshops jointly taught by College of Arts and Letters and College of Education faculty covering content of creative arts will occur. Field experiences including creative arts are a part of the course.

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: 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. Monthly workshops jointly taught by College of Arts and Letters and College of Education faculty covering content of creative arts will occur. Field experiences including creative arts are a part of the course.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ECE 304 The Early Childhood Education Professional

Prerequisite: admission to the Teacher Education Program; and admission to the Early Childhood Education Program.

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.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ECE 401 Curriculum For Early Childhood Education

Prerequisite: ELE 302 and ECE 301 and ECE 302 and ECE 303; concurrent enrollment in ECE 402; and admitted to Teacher Education Program.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

ECE 402 Assessing Young Children

Prerequisite: ELE 302 and ECE 301 and ECE 302 and ECE 303; concurrent enrollment in ECE 401; and admitted to Teacher Education Program required.

An overview and analysis of screening and diagnostic techniques and procedures for use by general classroom teachers in determining instructional programs for children from

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 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 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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

ECE 725 Trends and Issues in Early Childhood Education

A study of current trends, issues and theories related to early childhood education. Emphasis will be given to major developmental theories and research findings related to the education of young children. Included will be the application of theory and research to current practices in early childhood education.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

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.

Credit hours: 2 **Lecture contact hours:** 2 **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 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 grows 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 762 Seminar in Early Childhood and Family Development

Prerequisite: SFR 780 and permission.

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

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](#)

Child and Family Development (CFD) courses

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 (Self-Understanding/Social-Behavioral Perspective).

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

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

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

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.

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: Upon demand

[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: Spring

[Projected offerings](#)

CFD 260 Supervised Experience in the Child Development Laboratories

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](#)

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.

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 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: Upon demand

[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

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: Upon demand

[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

633. Cannot receive credit for both CFD 633 and CFD 533.

Credit hours: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CFD 560 Family Involvement in Early Childhood Programs

Prerequisite: CFD 260.

A study of family involvement 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:** 2 **Lab contact hours:** 2

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 and purposes 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.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, 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 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

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 health 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](#)

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 660 Family Involvement in Early Childhood Programs

A study of family involvement 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:** 2 **Lab contact hours:** 2
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 701 Orientation to Early Childhood and Family Development

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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0
Typically offered: Upon demand
[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

Child and Family Development

Major(s)

Child and Family Development (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [PSY 121\(3\)](#); [SOC 150\(3\)](#); [BMS 105\(4\)](#) or [110\(4\)](#) or [BIO 100\(4\)](#) or [BIO 102\(4\)](#)
- B. Major Requirements (70-72 hours): Students must select an area of emphasis with approval of a CFD advisor: early childhood, school age, child life, or family studies.
1. Core Courses: [CFD 150\(1\)](#), [155\(3\)](#), [160\(3\)](#), [163\(3\)](#), [366\(1\)](#); [360\(5\)](#) or [454\(3\)](#) or [533\(4\)](#); [466\(6\)](#), [563\(3\)](#)
 2. Related Requirements: [BMS 130\(3\)](#); [FCS 120\(2\)](#) or [KIN 253\(2\)](#) or [KIN 257\(2\)](#); [FCS 373\(3\)](#); [PSY 441\(3\)](#), PSY elective (3)
 3. Area of Emphasis: With advisor approval complete 21 hours of the following courses: [CFD 250\(3\)](#), [255\(3\)](#), [257\(3\)](#), [260\(4\)](#), [300\(1-3\)](#), [301\(3\)](#), [304\(3\)](#), [305\(3\)](#), [306\(3\)](#), [350\(3\)](#), [353\(3\)](#), [354\(4\)](#), [360\(5\)](#), [361\(3\)](#), [365\(3\)](#), [400\(1-3\)](#), [454\(3\)](#), [455\(4\)](#), [499\(1-6\)](#), [500\(1-3\)](#), [532\(3\)](#), [533\(4\)](#), [560\(3\)](#), [562\(3\)](#)
 4. With advisor approval complete 12 hours of selected electives.
 5. 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 required for graduation.
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 the following: any CFD course; [FCS 373\(3\)](#); or [BMS 130\(3\)](#) with approval of a CFD advisor to bring total to at least 18 hours. Up to 3 credit hours of [CFD 197](#) may be taken.

Accelerated master's degree in early childhood and family development

Eligible Missouri State undergraduate students majoring in Child and Family Development and Early Childhood Education may apply for preliminary acceptance into the Early Childhood and Family Studies program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take 10 hours of graduate-level courses that apply to both their undergraduate and graduate programs (Mixed Credit). Only three hours of 600-level courses can be applied to the graduate program. See the [Graduate Catalog](#) or further 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.

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 while enrolled in ELE 302. 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. Students must have passed all sections of the Missouri State Board of Education entry examination before applying to the Early Childhood Education Program. Applications for the program must be submitted during the semester of enrollment in ELE 302 by October 1 for fall semesters and March 15 for spring semesters. As this is a competitive program, admission is not guaranteed.

Transfer students and post-baccalaureate students must also apply for admission to the Early Childhood Education program. Transfer students must meet with advisors in the Education Advisement Center and post-baccalaureate 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 (see above) on the C-BASE Exam. Students will be notified of the decision in writing by November 1 for fall semesters and April 1 for spring semesters. Students who are not accepted into the program may reapply in the following semester.

Program 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

Additionally, students must pass all sections of the Missouri State Board of Education entry examination 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 application procedures in the [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog.

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog (43-51 hours)
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:
 - a. Basic Required Courses:
 - a. English Composition (6 hours): [ENG 110](#)(3) and [ENG 210](#)(3)
 - b. Mathematics: Completion of general education requirement with a grade of "C" or better. [MTH 130](#)(3) recommended.
 - c. Public Speaking: [COM 115](#)(3)
 - b. Areas of Inquiry:
 - a. Natural World: [PHY 101](#)(4) and [BIO 100](#)(4)
 - b. Self-Understanding/Social-Behavioral Perspective: [PSY 121](#)(3)
 - c. Courses used to meet the Humanities and the Creativity and Vision Perspectives must have two (2) different course codes to meet state certification requirements. [ART 200](#) or [MUS 241](#) recommended.
 - c. Public Affairs/American Studies:
 - a. [HST 121](#)(3) or [HST 122](#)(3)
 - b. [PLS 101](#)(3)
- B. Other courses required for degree (4 hours): [GRY 135](#)(4) or [GRY 142](#)(4) or [GRY 240](#)(4)
- C. Degree Requirements for Teacher Certification (25 hours):
 - a. Child Development: [CFD 160](#)(3), [CSD 312](#)(3); [KIN 545](#)(3)
 - b. Home-School-Community Relationships: [CFD 560](#)(3)
 - c. Program Management: [BMS 130](#)(3); [CFD 260](#)(4), [563](#)(3)

- d. Mathematics: [MTH 320\(3\)](#)
- D. Professional Education (56 hours): Note: A grade of "C" or better in each course is required for state certification.
 - a. Foundations of Teaching: [EDC 345\(3\)](#), [350\(3\)](#); [ELE 302\(3\)](#); [SPE 310\(3\)](#)
 - b. Teaching Methods: [CFD 455\(4\)](#); [ECE 301\(3\)](#), [302\(2\)](#), [303\(3\)](#), [304\(1\)](#), [401\(3\)](#), [402\(2\)](#); [EDT 365\(3\)](#); [ENG 334\(3\)](#); [RDG 318\(3\)](#); [420\(3\)](#), [421\(2\)](#)
 - c. Clinical Experiences: choose 2 of the following 3 courses: [ECE 490\(6\)](#), [491\(6\)](#), or [492\(6\)](#)
- 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. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in early childhood and family development

Eligible Missouri State undergraduate students majoring in Child and Family Development and Early Childhood Education may apply for preliminary acceptance into the Early Childhood and Family Studies program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take 10 hours of graduate-level courses that apply to both their undergraduate and graduate programs (Mixed Credit). Only three hours of 600-level courses can be applied to the graduate program. See the [Graduate Catalog](#) or further 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.

Elementary Education

Major(s)

Elementary Education

Bachelor of Science in Education
(Certifiable grades 1-6)

Admission Requirements

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to application procedures in the [Teacher Certification, Teacher Education Program](#) section of the catalog. 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.

Program Requirements

Candidates for the Bachelor of Science in Education degree in Elementary Education are required to meet the following grade point average requirements: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B, D, and E; at least a 3.00 GPA in the professional education courses; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

Additionally, students must pass all sections of the Missouri State Board of Education entry examination and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

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.

To assure an optimal pre-service teacher training experience and adhere to quality standards established by the Missouri State Department of Education and the National Council for Accreditation of Teacher Education, all students seeking the Bachelor of Science in Education – Elementary (grades 1-6 certification) are required to enroll in a 7 credit hour block of courses in the semester preceding supervised teaching. This block of courses is taken two days per week and includes ELE 500(3-5) and 510(2). An extensive field experience in area public school classrooms is included in this block and students must commit to two full school days that semester which equates to 7:30 a.m. to 4:00 p.m. This time commitment may fall on Monday-Wednesday or Tuesday-Thursday, depending on scheduling for that particular semester.

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog (43-51 hours):
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:
- a. Basic Required Courses:
 - i. English Composition (6 hours required): [ENG 110\(3\)](#) and [ENG 210\(3\)](#)
 - ii. Mathematics: Completion of general education requirement with a grade of "C" or better. [MTH 130\(3\)](#) recommended.
 - iii. Public Speaking: [COM 115\(3\)](#)
 - b. Areas of Inquiry:
 - i. Natural World: [PHY 101\(4\)](#) and [BIO 100\(4\)](#)
 - ii. Culture and Society Social Sciences Perspective: [GRY 100\(3\)](#)
 - iii. Self-Understanding Social-Behavioral Perspective: [PSY 121\(3\)](#) or [CFD 155\(3\)](#)
 - iv. Courses used to meet the Humanities and the Creativity and Vision Perspectives 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.
 - c. Public Affairs/American Studies:
 - i. [HST 122\(3\)](#) recommended
 - ii. [PLS 101\(3\)](#)
- B. Degree Requirements for Teacher Certification (10 hours):
- a. Mathematics: [MTH 320\(3\)](#) and [MTH 360\(3\)](#)
 - b. Earth Science: [GRY 240\(4\)](#)
- 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 Emphasis or a Minor (minimum of 12 additional semester hours). Select at least one of the following program emphases or a minor:
- a. In consultation with an advisor, complete a minimum of 12 semester hours additional coursework in one of the following areas: Early Childhood Education, Middle School Education, Special Education, Reading Education, Communication Arts, Science, Mathematics, Social Studies, Cultural and Linguistic Diversity, Instructional

Technology, Foreign Language, Psychology, Art, Music, or Physical Education. Courses may be selected only with advisor approval. At least one course must be taken at the upper-division level. No courses utilized to satisfy other requirements on this degree may be utilized to meet this option. This option will not necessarily meet requirements for an additional endorsement certification.

- b. In consultation with an advisor, earn a minor offered under the BSED degree in Biology, English, French, General Consumer and Family Studies, Geography, German, History, Linguistics, Mathematics, Music, Political Science, Psychology, Sociology, Spanish, Teaching English to Speakers of Other Languages, or Writing. Courses taken to satisfy requirements in A and B above may also be utilized to meet a portion of this option; however, a minimum of 12 new hours 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 necessarily meet requirements for an additional endorsement certification.
- E. Professional Education (62-64 hours): Note: A grade of "C" or better in each course is required for state certification.
- a. Foundations of Teaching: [EDC 345\(3\)](#), [350\(3\)](#); [ELE 302\(3\)](#); [PSY 385\(3\)](#) or [CFD 257\(3\)](#); [SPE 310\(3\)](#)
 - b. Teaching Methods: [ECE 501\(3\)](#); [EDT 365\(3\)](#); [ELE 410\(3\)](#), [429\(3\)](#), [434\(3\)](#), [438\(3\)](#), [500\(3-5\)](#), [510\(2\)](#); [ENG 334\(3\)](#); [KIN 400\(1\)](#); [RDG 318\(3\)](#), [420\(3\)](#), [421\(2\)](#)
 - c. Supervised Teaching: [ELE 495\(6\)](#), [496\(6\)](#)
- F. 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. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- G. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in education, elementary education

Eligible Missouri State undergraduate BSEd majors may apply for preliminary acceptance into the Elementary Education program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take 6-12 hours of graduate level education courses that apply to both their undergraduate and graduate programs (Mixed Credit). See the [Graduate Catalog](#) or further 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.

Accelerated master's degree in literacy

Eligible Missouri State undergraduate BSEd majors may apply for preliminary acceptance into the Literacy program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level Literacy courses that apply to both their undergraduate and graduate programs (Mixed Credit). See the [Graduate Catalog](#) or further 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 Counseling, Leadership, and Special Education

Programs

Includes accelerated master's option

Undergraduate

[Special Education/Cross Categorical](#) (BSEd)

Graduate

[Autism Spectrum Disorders](#) (Certificate)

[Counseling](#) (MS)

[Counseling and Assessment](#) (EdS)

[Educational Administration](#) (MSEd, EdS)

[Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia](#) (EdD)

[Orientation and Mobility](#) (Certificate)

[Special Education](#) (MSEd)

[Student Affairs in Higher Education](#) (MS)

Accreditation

- Missouri Department of Elementary and Secondary Education – Counseling (MS), Educational Administration (MSEd, EdS), Special Education/Cross Categorical (BSEd), and Special Education (MSEd)
- National Council for Accreditation of Teacher Education – Counseling (MS), Educational Administration (MSEd, EdS), Special Education/Cross Categorical (BSEd), and Special Education (MSEd)

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.

Accelerated master's degree in special education with option in autism spectrum disorders

Eligible Missouri State undergraduate students majoring in Special Education may apply for preliminary acceptance into the Special Education/Autism Spectrum Disorders program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level courses that apply to both their undergraduate and graduate programs (Mixed Credit). See the [Graduate Catalog](#) or further 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.

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.

General information

EAD courses numbered 900 and above are open only to students admitted into the Educational Leadership doctoral program offered in cooperation with the University of Missouri-Columbia.

Contact

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Majors

All students must be admitted to the Teacher Education Program and to Supervised Teaching in order to earn this degree. Refer to application procedures in the [Teacher Certification, Teacher Education Program section of catalog](#).

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: at least a 2.50 GPA on all course work attempted at all colleges attended; at least a 2.50 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C; at least a 2.50 GPA in any additional certificate subject area; at least a 2.50 GPA in the professional education courses; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

Additionally, State Board of Education certification rules require a passing score on each portion of the College Basic Academic Subject Examination (CBASE) and successful completion of the appropriate Praxis II Examination Specialty Area Test with a score equal to Missouri's qualifying score. Missouri State further requires CBASE minimum scores of 265.

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.

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 post-baccalaureate 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.

Counseling, Leadership, and Special Education Faculty

(as of July 23, 2013)

Professors

[Tamara J. Arthaud, PhD](#)

[Jeffrey H.D. Cornelius-White, PsyD](#)

[Christopher J. Craig, EdD](#)

[Paris A. DePaepe, PhD](#)

[Linda Garrison-Kane, PhD](#)

[Joseph F. Hulgus, PhD](#)

[Cynthia MacGregor, EdD](#)

[Belinda McCarthy, PhD](#)

[Joye H. Norris, PhD](#)

[Robert L. Watson, EdD](#)

Associate professors

[William J. Agnew, PhD](#)

[Paul M. Ajuwon, PhD](#)

[A. Leslie Anderson, PhD](#)

[Paul Blisard, EdD](#)

[O. Gilbert Brown, EdD](#)

[Kristi Perryman, PhD](#)

Assistant professor

[Kim K. Finch, EdD](#)

Senior instructor

[Marcia B. Dowdy, EdD](#)

Instructors

[James C. Matthews, MS](#)

[Linda G. Robbins, EdS](#)

Clinical director (counseling)

[Robin Farris, MA](#)

Emeritus professors

Lonnie Barker, Jr., PhD

Leon Bradshaw, EdD

Ruth V. Burgess, PhD

Harold L. Chappell, EdD

[Jane E. Doelling, EdD](#)

Paul D. Enochs, PhD

Fred F. Esser, EdD

Mildred Fortner, EdD

Shirley Hendricks, EdD

[Kenneth C. Holloway, EdD](#)

[C. Don Keck, EdD](#)

[Gerald H. Moseman, EdD](#)

Robert L. Musgrave, EdD

[Billy Rippee, EdD](#)

Leonila P. Rivera, EdD

[Hugh L. Strawn, PhD](#)

[Sandra K. Wegner, EdD](#)

[Scott B. Wegner, EdD](#)

[Gary Wilson, PhD](#)

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 credit 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.

COU 753 Analysis of Childhood Learning and Adjustment

Prerequisite: admission to Counseling program 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 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.

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 780 Secondary School Counseling Practicum

Prerequisite: admission to Counseling program; and COU 710 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 department permission.

Supervised experience in secondary school counseling at an

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.

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; 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.

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. Repeatable to 3 credit 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 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

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 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 department permission.

Supervised experience in elementary 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 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 credit 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

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-play 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.

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](#)

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 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 credit 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 751 Foundations of Educational Leadership

EAD 843 School and Community Partnerships

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 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](#)

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 I.S.L.L.C. 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 L.S.L.L.C. 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 I.S.L.L.C. 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 L.S.L.L.C. 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 782 Internship-On Site**

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: 2 **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

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.

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 specific 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 L.S.L.L.C. member states. These goals and outcomes are based upon I.S.L.L.C. 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](#)

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,

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.

Credit hours: 2 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[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](#)

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

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](#)

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 Leadership Inquiry IV

Prerequisite: admission to the Doctorate in Educational Leadership program.

The seminar will explore the use of multiple sources for data, human subjects review requirements, and research ethics. The course will also examine the exploration and design of leadership research focused on addressing problems of practice.

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 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

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.

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

[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](#)

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,

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. 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

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: EDC 150, 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. Students will participate in observations in appropriate school and agency settings. 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](#)

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 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. May not 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

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: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Summer

[Projected offerings](#)

SPE 607 Introduction to Visual Impairments, Autism and Severe/Multiple Disabilities

Prerequisite: permission of instructor.

An introduction to educational programs and services for students with visual impairments, autism, deaf-blindness and multiple disabilities. This course will provide teachers, paraprofessionals, social workers, psychologists, etc. with a foundation in the historical perspectives, developmental characteristics, psychosocial aspects, and legislation related to severe and multiple disabilities. An emphasis will be placed on the psychosocial effects of visual impairments, autism, deaf-blindness and multiple disabilities on the development of the individual and on adaptations that enhance functioning. May be taught concurrently with SPE 507. Cannot receive credit for both SPE 507 and SPE 607.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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: Summer

[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

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.

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

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.

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 Effective Practices in Special Education

Prerequisite: SPE 715 and SPE 782 and SPE 792.

Empirically based teaching practices with emphasis on reading and mathematics foundations to support special needs learners. 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 also 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: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

SPE 618 Application of Applied Behavior Analysis and Interventions for Teachers 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 of Teaching Students with Learning and Behavioral Disorders

Prerequisite: SPE 320 and SPE 345 and SPE 346 and SPE 616; and concurrent enrollment in SPE 620; and Teacher Certification students must be 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

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; 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 professional portfolio must meet or exceed final checkpoint 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](#)

SPE 496 Supervised Teaching-Special Education

Prerequisite: concurrent enrollment in ELE 495 or SEC 493 or SPE 495.

Student observes, teaches, and participates in professional activities under the direction of the cooperating teacher and

change will be emphasized along with educational programming that promotes increasing achievement levels, improved social development, and inclusion. May be taught concurrently with SPE 519. Cannot receive credit for both SPE 519 and SPE 619.

Credit hours: 4 **Lecture contact hours:** 4 **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 of Teaching Individuals with Developmental Disabilities and Other Health Impairments

Prerequisite: SPE 345 and SPE 346; and SPE 616 or concurrent enrollment; and concurrent enrollment in SPE 622; and Teacher Certification students must be admitted to Teacher Education Program.

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., mental retardation autism, Asperger syndrome, 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: 4 **Lecture contact hours:** 4 **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](#)

university supervisor. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final checkpoint 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](#)

SPE 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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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

SPE 623 Curriculum and Methods in Early Childhood Special Education

Prerequisite: permission of area advisor in Special Education or Early Childhood Education.

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. Thirty clock hours of field experience will be required. May be taught concurrently with SPE 523. Cannot receive credit for both SPE 523 and SPE 623.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

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 616 or SPE 515.

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

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: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Summer

[Projected offerings](#)

SPE 507 Introduction to Visual Impairments, Autism and Severe/Multiple Disabilities

Prerequisite: permission of instructor.

An introduction to educational programs and services for students with visual impairments, autism, deaf-blindness and multiple disabilities. This course will provide teachers, paraprofessionals, social workers, psychologists, etc. with a foundation in the historical perspectives, developmental characteristics, psychosocial aspects, and legislation related to severe and multiple disabilities. An emphasis will be placed on the psychosocial effects of visual impairments, autism, deaf-blindness and multiple disabilities on the development of the individual and on adaptations that enhance functioning. May be taught concurrently with SPE 607. Cannot receive credit for both SPE 607 and SPE 507.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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.

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

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: Summer
[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 for Teachers 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 in 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 Effective Practices in Special Education

Prerequisite: SPE 310 or SPE 340; and SPE 345 and SPE 346.

Empirically based teaching practices with emphasis on reading and mathematics foundations to support special needs learners. Students will also gain knowledge of varied theoretical perspectives and instructional approaches including validated behavioral and cognitive based methods that support diverse

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 and SPE 346; and Teacher Certification students must be 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 584. Cannot receive credit for both SPE 584 and SPE 664.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall, Spring
[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.

learners. The content of the course will also 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: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

SPE 519 Methods of Teaching Students with Learning and Behavioral Disorders

Prerequisite: SPE 320 and SPE 345 and SPE 346 and SPE 515; and concurrent enrollment in SPE 520; 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. May be taught concurrently with SPE 619. Cannot receive credit for both SPE 619 and SPE 519.

Credit hours: 4 **Lecture contact hours:** 4 **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 of Teaching Individuals with Developmental Disabilities and Other Health Impairments

Prerequisite: SPE 345 and SPE 346; and SPE 515 or concurrent enrollment in SPE 515; and concurrent enrollment in SPE 522; and admitted to Teacher Education Program.

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., mental retardation autism, Asperger syndrome, 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: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

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

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: permission of area advisor in Special Education or Early Childhood.

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. Thirty clock hours of field experience will be required. May be taught concurrently with SPE 623. Cannot receive credit for both SPE 623 and SPE 523.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

Typically offered: Upon demand

[Projected offerings](#)

SPE 525 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 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

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.

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.

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

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring, Summer

[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.

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 Professional Education Unit (PEU) 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 Contemporary Issues in Special Education

Prerequisite: permission of instructor.

Analysis of trends, issues, and research in the field of special

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 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

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. 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: Upon demand

[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.

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

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: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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](#)

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.

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](#)

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 625 and SPE 783 and SPE 785; and permission of instructor.

This course will involve experience in a supervised, clinical setting with individuals diagnosed with various disabilities. Emphasis will be placed on developmental disabilities and challenging behaviors. Students will conduct assessment specific to their credentials and training to include learning assessment, autism specific instruments, and communication assessment. 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; 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; 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.

Credit hours: 1-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

Special Education/Cross Categorical

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to application procedures in the [Teacher Certification, Teacher Education Program section of catalog](#).

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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

Additionally, students must pass all sections of the Missouri State Board of Education entry examination and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

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.

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.

Special Education/Cross Categorical

Bachelor of Science in Education (Certifiable grades K-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog (43-51 hours)
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:
1. Basic Required Courses:
 - a. English Composition (6 hours required): [ENG 110\(3\)](#) and [ENG 210\(3\)](#)
 - b. Mathematics: Completion of general education requirement with a grade of "C" or better. [MTH 130\(3\)](#) recommended.
 - c. Public Speaking: [COM 115\(3\)](#)
 2. Areas of Inquiry:
 - a. Natural World : [PHY 101\(4\)](#) and [BIO 100\(4\)](#)
 - b. Culture and Society/Social Sciences Perspective: [ECO 155\(3\)](#)
 - c. Self-Understanding/Social/Behavioral Perspective: [PSY 121\(3\)](#)
 - d. Courses used to meet the Humanities and the Creativity and Vision Perspectives must have two (2) different course codes to meet state certification requirements. [ART 200](#) or [MUS 241](#) recommended.
 3. Public Affairs/American Studies:
 - a. [HST 121\(3\)](#) or [HST 122\(3\)](#)
 - b. [PLS 101\(3\)](#)
- B. Degree Requirements for Teacher Certification (9 hours):
1. Mathematics: [MTH 320\(3\)](#)
 2. English: [ENG 334\(3\)](#)
 3. Geography: [GRY 100\(3\)](#)
- C. Professional Education (76-78 hours): Note: A grade of "C" or better in each course ("P" grade in EDC 150) is required for state certification.
1. Foundations of Teaching: [EDC 150\(0\)](#), [345\(3\)](#), [350\(3\)](#); [PSY 360\(3\)](#); [SPE 310\(3\)](#), [320\(3\)](#), [345\(4\)](#), [346\(2\)](#)
 2. Teaching Methods: [CSD 312\(3\)](#); [EDT 365\(3\)](#); [KIN 545\(3\)](#); [RDG 318\(3\)](#), [420\(3\)](#), [421\(2\)](#); [SPE 515\(3\)](#), [516\(3\)](#), [517\(4\)](#), [519\(4\)](#), [521\(4\)](#), [550\(3\)](#), [560\(3\)](#)
 3. Clinical Experiences: [SPE 520\(2\)](#), [522\(2\)](#), [495\(5-6\)](#), [496\(5-6\)](#)

- D. 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. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in special education with option in autism spectrum disorders

Eligible Missouri State undergraduate students majoring in Special Education may apply for preliminary acceptance into the Special Education/Autism Spectrum Disorders program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level courses that apply to both their undergraduate and graduate programs (Mixed Credit). See the [Graduate Catalog](#) or further 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.

Greenwood Laboratory School

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. Greenwood has enrollment capacity of 378 students and 100 percent of each graduating class enrolls in a post-secondary educational institution. The average ACT composite score for the senior class is 26.5 while the state average is 21.6 and the national average is 21.1 Inquiry based learning is emphasized over rote memorization

Greenwood Laboratory School believes that students should be given the opportunity to develop a wide variety of knowledge and skills, think critically, set challenging goals, respect diversity, adopt an attitude of social responsibility, and become lifelong learners. Consistent with the University's mission in public affairs, the purpose of the Greenwood Laboratory School is to develop educated persons while focusing on cultural competence, ethical leadership and community engagement.

Greenwood Laboratory School serves as a member of the Professional Education Unit in a University-wide effort of preparing students at all levels for the twenty-first century. Greenwood provides the opportunity for MSU students and faculty to engage in clinical field experiences, service learning activities, research, information sharing, and professional development. Through these activities, Greenwood Laboratory School functions within the College of Education to create "a legacy of learning." In addition, Greenwood's mission is to support Missouri State University as a laboratory of best practices in teaching and to prepare students who are knowledgeable, creative, caring and engaged citizens, which is consistent with the University's mission statement of public affairs.

Greenwood is accredited by the North Central Association of Schools/AdvancED.

Admission Policy: Students are enrolled in Greenwood Laboratory School from registration lists maintained chronologically by date of registration. A maximum of 24 are enrolled in kindergarten, 26 in first grade, 28 in second grade and 30 in grades 3 through 6, and up to 40 in grades 7-12. At each grade level two thirds of the students are admitted from the community and one third from the faculty and staff of Missouri State University. Annual tuition is charged and is subject to change each year. Missouri State full-time employees may apply up to seven and one-half hours of tuition waiver towards Greenwood tuition.

Contact

Director

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Greenwood Laboratory School Faculty

(as of July 23, 2013)

Assistant director

[Steve Seal, EdS](#)

Associate Professor

[Janice R. Duncan, PhD](#)

Assistant professors

[Vicki L. Dunlop, MEd](#)

[Kathryn M. Gibson, MA](#)

Instructors

[Susan L. Baldwin, MEd](#)

[Marilyn A. Broaddus, MEd](#)

[Abby R. Burch, MEd](#)

[Rebecca Crowder, MSEd](#)

[Cory A. Fearing, MSEd](#)

[Janelle A. Flanders, MEd](#)

[Melinda M. Hammerschmidt, MSE](#)

[Kent O. Hedgpeth, MEd](#)

[JulieAnn Jenkins, EdS](#)

[Melanie Kleeschulte, MA](#)

[Jill R. Martin, MSEd](#)

[Stephanie T. Reid, BAEd](#)

[Richard A. Ruhe, MA](#)

[Victoria L. Sutton, EdS](#)

[Darren S. Taylor, MS](#)

[Denise S. Vinton, MSEd](#)

[Cathie Weir, EdD](#)

Emeritus professors

Charles R. Baird, MA

M. Pauline Barker, MEd, MA

Anna Lee Dugan, MS

[Candace D. Fisk, MA](#)

Doris J. Grevillius, MS

Helen Huff, MS

James F. Jester, EdD

Cheryl K. Johnson, MS

Richard E. Moore, MS

[Ruth C. Peñaherrera-Norton, MEd](#)

[Phyllis R. Shoemaker, MEd](#)

Lillian Rosemary Williams, MA

Delmar D. Wipf, MS

Emeritus instructor

[Ruth Ann Johnson, MEd](#)

Department of Reading, Foundations, and Technology

Programs

Includes accelerated master's option

Undergraduate

[Middle School Education](#) (BSEd)

[Literacy](#) (Minor)

Graduate

[Educational Technology](#) (MSEd)

[Literacy](#) (MSEd)

[Educational Technology Specialist](#) (Certificate)

[Master of Arts in Teaching](#) (MAT)

Accreditation

- Missouri Department of Elementary and Secondary Education – Middle School Education (BSEd), Educational Technology (MSEd), Literacy (MSEd), and Master of Arts in Teaching (MAT)
- National Council for Accreditation of Teacher Education – Middle School Education (BSEd), Educational Technology (MSEd), Literacy (MSEd), and Master of Arts in Teaching (MAT)

Accelerated master's degree in literacy

Eligible Missouri State undergraduate BSEd majors may apply for preliminary acceptance into the Literacy program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level Literacy courses that apply to both their undergraduate and graduate programs (Mixed Credit). See the [Graduate Catalog](#) or further 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.

Contact

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Reading, Foundations, and Technology Faculty

(as of July 23, 2013)

Professors

[J. Deanne Camp, EdD](#)

[Fred H. Groves, PhD](#)

[David L. Hough, PhD](#)

[Beth Hurst, PhD](#)

[Steven P. Jones, PhD](#)

[Dennis Kear, PhD](#)

[Sarah B. Nixon, PhD](#)

[Cathy J. Pearman, PhD](#)

[Eric C. Sheffield, PhD](#)

Associate professors

[Ching-Wen Chang, PhD](#)

[David R. Goodwin, PhD](#)

[Steven Hinch, PhD](#)

[Rebecca Swearingen, EdD](#)

[Randall Wallace, PhD](#)

Instructors

[Annice H. McLean, MEd](#)

[Jane Ward, EdS](#)

Emeritus professors

L. Dale Allee, PhD

[Donna A. Bearsley, PhD](#)

Stefan J. Broidy, PhD

[N. June Brown, EdD](#)

[J. Wordy Buckner, EdD](#)

[Genevieve R. Cramer, PhD](#)

Ralph G. Hawkins, EdD

Everett R. Payne Jr., MA

James R. Pollard, EdD

Donald E. Sater, EdD

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.

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 B.S. in Education or appropriate masters-level certification programs.

Credit hours: 2 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[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 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](#)

Educational Technology (EDT) courses

EDT 365 Educational Applications of Technology and Media

Prerequisite: CIS 101 or CSC 101 or waiver exam, and one of the following: ELE 302, SPE 310, or SEC 302, 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 530 Technology Systems Management and Maintenance

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: Upon demand

[Projected offerings](#)

EDT 662 Educational Applications of Computers for

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 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:** 2 **Lab contact hours:** 2

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: Upon demand

[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

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:** 2 **Lab contact hours:** 2

Typically offered: Upon demand

[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. Cannot count toward the Educational Technology MSED program. 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

Prerequisite: EDT 650.

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: Spring

[Projected offerings](#)

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 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 5 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.

MID 493 Supervised Teaching (Middle School)

Prerequisite: MID 425 or MID 400; 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.

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in extra-curricular, co-curricular, and exploratory

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 421 or MID 400; and admitted to Teacher Education Program.

Recommended Prerequisite: MID 425. 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](#)

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.

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.

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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. May not be used to satisfy General Education Program requirements and may not be credited on any major or minor offered by any department. May not receive credit for both RDG 107 and IDS 118.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

Typically offered: Fall, Spring, Summer

[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. This course may not 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 higher.

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

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. This course may not be substituted for any required reading/literacy course. Number of class hours determined by semester hours of credit. 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; and admitted to Teacher Education Program.

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 574. Cannot receive credit for both RDG 640 and RDG 574.

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 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 560. Cannot receive credit for both RDG 560 and RDG 660.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

Typically offered: Upon demand

[Projected offerings](#)

RDG 420 Methods of Teaching Reading and Language Arts in Elementary Schools

Prerequisite: RDG 318; and admitted to Teacher Education Program; and concurrent enrollment in RDG 421.

A practical approach to elementary reading and language arts instruction including assessment of the literacy needs and 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. Concepts from reading, language, and child development are used to teach reading, writing, speaking, viewing, listening, and thinking skills to help children apply their developing abilities to different situations, materials, and ideas.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

RDG 421 Practicum-Methods of Teaching Reading and Language Arts in the Elementary Schools

Prerequisite: RDG 318 and concurrent enrollment in RDG 420 and admitted to Teacher Education Program.

Practicum application of techniques in personalizing elementary literacy instruction, by the assignment of students to practicum centers where they will be required to assess the literacy status and progress of children and select appropriate materials and techniques for developmental and corrective reading. Family Care and Safety Registry (RCSR) check is required. Additional field experience activities required outside of class time.

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.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

RDG 480 Problems in Literacy Education

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. May not 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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[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. May not 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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[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. To be taken during the first semester of the graduate literacy program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

RDG 710 Content Area Literacy

Prerequisite: enrollment limited to students in the MSED, MA, and MAT programs.

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.

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 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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0
Typically offered: Fall
[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 Literacy

Prerequisite: RDG 318 or both RDG 420 and RDG 421, or equivalent; and admitted to Teacher Education Program.

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 (RCSR) check is required. May be taught concurrently with RDG 640. Cannot

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. May not be substituted for any course required for special reading certification (RDG 574/640, 780, 781, or 782). Family Care and Safety Registry (FCSR) check is required. Literacy majors must enroll for 6 hours, other majors may enroll for 3 hours. 3(2-2) or

Credit hours: 6 **Lecture contact hours:** 2 **Lab contact hours:** 8
Typically offered: Fall, Spring
[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: Upon demand
[Projected offerings](#)

RDG 770 Curriculum Design in Literacy

Prerequisite: required of graduate Literacy program students only: RDG 640 and RDG 660; and RDG 673 or RDG 780; RDG 700 and RDG 710; and RDG 730 (6 hours) or RDG 781 and RDG 782; and RDG 740.

Research and read literature to prepare for establishing a total school literacy curriculum. This capstone course is taken during the semester graduate Literacy program students take comprehensive exams.

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.

receive credit for both RDG 640 and RDG 574.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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. May not 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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[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. May not 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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[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. This course may not be substituted for any required reading/literacy course. Number of class hours determined by semester hours of credit. 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](#)

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

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: Summer

[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: Summer

[Projected offerings](#)

RDG 791 Problems in Literacy Education

Prerequisite: concurrent enrollment in SFR 780.

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: Fall, Spring, Summer

[Projected offerings](#)

RDG 795 Research Seminar in Literacy

Prerequisite: SFR 780 and RDG 700 or RDG 710 and RDG 791.

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 and RDG 700 and RDG 710 and RDG 791.

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](#)

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 and BSE 528. May be repeated to a total of 3 hours.

session on campus and participate in field experiences at the Greenwood Laboratory School and/or area secondary schools. Course may not 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. Course may not be taken Pass/Not Pass. Required first portfolio checkpoint will occur in this course.

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; 2.50 combined GPA; and a passing grade in EDC 150 or concurrent enrollment or equivalent competencies.

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 may not 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. May not 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.

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 or ELE 495 or SPE 495.

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the

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 and BSE 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 and BSE 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 and BSE 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

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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 and BSE 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 and BSE 526. May be repeated to a total of 2 hours. May be taught concurrently with SEC 626. Cannot receive credit for

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. Identical to BSE 705. 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

Prerequisite: BSE 403.

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

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](#)

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: Upon demand

[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: Upon demand

[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 MoSTEP quality indicators.

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 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

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 B.S. in Education degrees. May be repeated to a maximum of 3 hours credit.

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.

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](#)

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.

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](#)

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 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](#)

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.

Candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

Additionally, students must pass all sections of the Missouri State Board of Education entry examination 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 (see application procedures in the "[Teacher Certification, Teacher Education Program](#)" section of catalog.)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog (43-51 hours):
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

1. Basic Required Courses:

- a. English Composition (6 hours required): [ENG 110\(3\)](#) and [ENG 210\(3\)](#)
- b. Mathematics: Completion of general education requirement with a grade of "C" or better. [MTH 130\(3\)](#) recommended.
- c. Public Speaking: [COM 115\(3\)](#)

2. Areas of Inquiry:

- a. Natural World: [PHY 101\(4\)](#) and [BIO 100\(4\)](#)
- b. Culture and Society/Social Sciences Perspective: [GRY 100](#) is required if Social Science is chosen as an area of Subject Matter Emphasis. [ECO 155](#) cannot be double-counted if Social Science is chosen as an area of Subject Matter Emphasis.
- c. Self-Understanding/Social-Behavioral Perspective: [PSY 121\(3\)](#)
- d. Courses used to meet the Humanities and the Creativity and Vision Perspectives must have two (2) different course codes. [ART 200](#) or [MUS 241](#) recommended.

3. Public Affairs/American Studies:

- a. [HST 121\(3\)](#)
- b. [PLS 101\(3\)](#)

- B. Degree Requirements for Teacher Certification (19 hours):

1. [AST 115\(4\)](#) or [GLG 110\(4\)](#) or [GRY 135\(4\)](#) or [142\(4\)](#) or [240\(4\)](#) (NOTE: GRY 240 is required if Science is chosen as an Area of Subject Matter)
2. [ENG 338\(3\)](#), [MTH 320\(3\)](#), [MTH 343\(3\)](#), [KIN 358\(3\)](#)
3. [HST 122\(3\)](#)

- C. Area of Subject Matter Options (42-48 hours):

Students must complete one of the following program options consisting of two separate content areas. Each option will total 42-48 hours. This requirements is met by combining 18 hours of coursework required for General Education (section A) and/or degree requirements (section B) and 24-30 additional hours in one of the six option areas. Following are the lists of courses identified for each of the six options areas. Note that each option contains 18 hours of General Education and/or degree requirements (bolded courses). Courses noted with an asterisk are those that **cannot** be double-counted toward both General Education requirements and the program option.

1. **Language Arts and Social Sciences Option:**

- a. Language Arts (21 hours total): [ENG 110\(3\)](#), [210\(3\)](#), [338\(3\)](#); [390\(3\)](#), [520\(3\)](#); [THE 505\(3\)](#); and one of the following courses: [ENG 351\(3\)](#), [354\(3\)](#), [380\(3\)](#), [533\(3\)](#), [534\(3\)](#), [536\(3\)](#)
- b. Social Sciences (24 hours total): [HST 121\(3\)](#), [122\(3\)](#); [PLS 101\(3\)](#); [HST 103\(3\)*](#), [104\(3\)*](#); [ECO 155\(3\)*](#); [GRY 100\(3\)](#); and 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.

2. Language Arts and Mathematics Option:

- a. Language Arts (21 hours total): **ENG 110(3), 210(3), 338(3), 390(3), 520(3), THE 505(3)**; and one of the following courses: **ENG 351(3), 354(3), 380(3), 533(3), 534(3), 536(3)**
- b. Mathematics (21 hours total): **MTH 130(3), 320(3), 343(3), 479(3)**; one of the following courses: **MTH 135(3), 138(5), 261(5), 280(5), 315(3), 575(3)**; one of the following courses: **MTH 360(3), 460(3)**; and one of the following courses: **MTH 377(3), 261(5)** (if not used previously)

3. Language Arts and Science Option:

- a. Language Arts (21 hours total): **ENG 110(3), 210(3), 338(3), 390(3), 520(3), THE 505(3)**; and one of the following courses: **ENG 351(3), 354(3), 380(3), 533(3), 534(3), 536(3)**
- b. Science (24 hours total): **BIO 100(4); PHY 101(4); GRY 240(4)** required in degree requirements for this subject matter emphasis and also counted in 24 hours total; **CHM 105(5); BIO 205(2); GRY 108(3), PHY 501(2)**

4. Mathematics and Social Sciences Option:

- a. Mathematics (21 hours total): **MTH 130(3), 320(3), 343(3), 479(3)**; one of the following courses: **MTH 135(3), 138(5), 261(5), 280(5), 315(3), 575(3)**; one of the following courses: **MTH 360(3), 460(3)**; and one of the following courses: **MTH 377(3), 261(5)** (if not used previously)
- b. Social Sciences (24 hours total): **HST 121(3), 122(3); PLS 101(3); HST 103(3)*, 104(3)*; ECO 155(3)*; GRY 100(3)**; and 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.

5. Mathematics and Science Option:

- a. Mathematics (21 hours total): **MTH 130(3), 320(3), 343(3), 479(3)**; one of the following courses: **MTH 135(3), 138(5), 261(5), 280(5), 315(3), 575(3)**; one of the following courses: **MTH 360(3), 460(3)**; and one of the following courses: **MTH 377(3), 261(5)** (if not used previously)
- b. Science (24 hours total): **BIO 100(4); PHY 101(4); GRY 240(4)** required in degree requirements for this subject matter emphasis and also counted in 24 hours total; **CHM 105(5); BIO 205(2); GRY 108(3), PHY 501(2)**

6. Science and Social Sciences Option:

- a. Science (24 hours total): **BIO 100(4); PHY 101(4); GRY 240(4)** required in degree requirements for this subject matter emphasis and also counted in 24 hours total; **CHM 105(5); BIO 205(2); GRY 108(3), PHY 501(2)**
- b. Social Sciences (24 hours total): **HST 121(3), 122(3); PLS 101(3); HST 103(3)*, 104(3)*; ECO 155(3)*; GRY 100(3)**; and 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.

D. Professional Education (46-48 hours): Note: A grade of "C" or better in each course is required for state certification, with the exception of a "P" grade in EDC 150 for state certification.

1. Foundations of Teaching: **EDC 150(0), 345(3), 350(3); EDT 365(3); PSY 360(3); SPE 340(2)**
2. Teaching Methods: **MID 400(3)** or [**MID 421(2)** and **425(2)**]; **MID 439(3); RDG 318(3), 474(2)**
3. Choose two of the following, per Areas of Subject Matter Option chosen:
 - a. **ENG 405(3)**, for Language Arts Content Area
 - b. **MTH 409(3)**, for Mathematics Content Area
 - c. **SCI 404(3)**, for Science Content Area
 - d. **HST 418(4)**, for Social Sciences Content Area
4. Clinical Experiences: **SEC 302(3); MID 493(6), 494(6)**

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. Refer to the [Teacher Education Program](#) section of the catalog for requirements.

F. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in literacy

Eligible Missouri State undergraduate BEd majors may apply for preliminary acceptance into the Literacy program after

admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level Literacy courses that apply to both their undergraduate and graduate programs (Mixed Credit). See the [Graduate Catalog](#) or further 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.

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](#)(2); [RDG 420](#)(3), [421](#)(2), [574](#)(3); [ENG 334](#)(3)

B. Select additional electives from the following to bring total to 23 hours: [RDG 560](#)(2), [573](#)(3), [580](#)(3)*, [585](#)(2)*; [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.*

Academic units

[Department of Biomedical Sciences](#)[Department of Communication Sciences and Disorders](#)[Department of Kinesiology](#)[Department of Nursing](#)[Department of Physical Therapy](#)[Department of Physician Assistant Studies](#)[Department of Psychology](#)[Public Health Program](#)[School of Social Work](#)[Department of Sports Medicine and Athletic Training](#)

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College of Health and Human Services

Programs

Includes accelerated master's option

Undergraduate

[Athletic Training](#) (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)[Gerontology](#) (BS, Minor)[Health Care Management](#) (Minor)[Health Services](#) (BS)[Molecular Biology](#) (Minor)[Nursing \(generic 4-year program\)](#) (BSN)[Nursing \(completion program for registered nurses\)](#) (BSN)[Nutrition](#) (Minor)[Psychology](#) (BA, BS, Minor)[Physical Education](#) (BSEd)[Radiography](#) (BS)[Recreation, Sport, and Park Administration](#) (BS, Minor)[Respiratory Therapy](#) (BS)[Social Work](#) (BSW)[Sports Medicine](#) (Minor)

Graduate

[Administrative Studies option in Sports Management](#) (MS)[Athletic Training](#) (MS)[Audiology, Doctor of](#) (AuD)[Cell and Molecular Biology](#) (MS)[Communication Sciences and Disorders](#) (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](#) (MS)[Nurse Educator, Post-Master's](#) (Certificate)[Nursing, Master of Science in](#) (MSN)[Nursing Practice, Doctor](#) (DNP)[Physical Therapy, Doctor of](#) (DPT)[Physician Assistant Studies](#) (MS)[Psychology](#) (MS)[Public Health, Master of](#) (MPH)[Secondary Education with an option in Physical Education](#) (MSEd)[Social Work, Master of](#) (MSW)[Sports Management](#) option within the Administrative Studies program (MS)[Sports Management](#) (Certificate)

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](#)

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Professional Building, Room 110

Phone

RStats Institute

The [RStats Institute](#) provides research, statistical training, analysis and technical support for faculty and students to facilitate and advance scholarly work. RStats 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.

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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 licensed professionals supervise all services performed by graduate 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

Includes accelerated master's option

Undergraduate

[Biomedical Sciences](#) (Minor)

[Exercise Biology](#) (Minor)

[Cell and Molecular Biology](#) (BS)

[Health Services](#) (BS)

[Clinical Laboratory Sciences-Medical Technology](#) (BS)

[Molecular Biology](#) (Minor)

[Dietetics](#) (BS)

[Nutrition](#) (Minor)

Graduate

[Cell and Molecular Biology](#) (MS)

[Nurse Anesthesia](#) (MS)

[Dietetic Internship](#) (Certificate)

Accreditation

- Accreditation Council for Education in Nutrition and Dietetics – Dietetic Internship (Graduate-Level Certificate)

General information

Dietetic Internship (DTN) courses

Open only to those students who have been admitted to the Dietetic Internship Graduate-Level Certificate Program.

Nurse Anesthesia (ANE) courses

Open only to those students who have been admitted to the Nurse Anesthesia (MS)

Medical Technology (MTC) courses

Not open to regular Missouri State students. They are offered at a School of Clinical Laboratory Sciences-Medical Technology only for those students who have been admitted to such a school.

Contact

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Website

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Department of Biomedical Sciences Faculty

(as of July 23, 2013)

Professors

[Richard Garrad, PhD](#)

[Helen C. Reid, RD, PhD](#)

[Benjamin F. Timson, PhD](#)

[Colette M. Witkowski, PhD](#)

Associate professors

[Robert K. DeLong, PhD](#)

[Scott D. Zimmerman, PhD](#)

Assistant professors

[Anne Marie Hunter, PhD, RD, LD, FADA](#)

[Sokju Kwon, PhD, RD, LD](#)

[Joshua J. Smith, PhD](#)

Senior instructors

[Carmen Boyd, MS, LPC, RD, LD](#)

[Hillary Roberts, MS, RD, LD](#)

Instructors

[Natalie Allen, MS, RD, LD](#)

[Rebecca L. Allen, BS](#)

[Matthew Kling, MS](#)

[Sarah Murray, MS, RD, LD](#)

[Amy Pearce, MS](#)

[Joseph Williams, MS](#)

Adjunct professors

Marisa K. James MA MLS(ASCP)

Kathy Fisher, MS, CRNA

[Monika Feeney, MS, CRNA](#)

Douglas D. Hubbard, MT(ASCP)

Connie Wilkens, MT(ASCP)

Emeritus professors

[Paul J. Cameron, MA](#)

[Michael M. Craig, 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](#)

Department of Biomedical Sciences Courses

Nurse Anesthesia (ANE) courses

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

ANE 723 Application of Anatomy and Physiology to Anesthesia II

An in-depth analysis of the special relationships between anesthesiology and the endocrine, hepatic, 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 735 Clinical Practicum

Prerequisite: permission of instructor.

Clinical experience in the anesthesiology department at Mercy. Specialty content may be included as part of the practicum experience. Section 4 taken in the fourth clinical semester includes specialty content related to professional/legal aspects of nurse anesthesia and cardiovascular anesthesia. May be repeated to a total of 26 hours. Graded Pass/Not Pass only. Supplemental course fee.

Credit hours: 1-4 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring, Summer

[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 750 Advanced Anesthesia Principles II

Prerequisite: ANE 720.

A review of the special anesthetic considerations for: anesthesia delivery systems, pre-operative evaluation,

Typically offered: Fall, Spring

[Projected offerings](#)

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](#)

Biomedical Sciences (BMS) courses

BMS 100 Concepts and Issues in the Life Sciences

General Education Course (Natural World).

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. Students will receive credit for only one of the following: BMS 100, 105, or 110.

Credit hours: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

BMS 105 Concepts and Laboratory in the Life Sciences

General Education Course (Natural World).

A lecture course with a laboratory component 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. A laboratory component supporting lecture topics will emphasize scientific observation and investigation. Designed for students interested in human biology, but who do not plan further study or laboratory work in the life sciences. Students will receive credit for only one of the following: BMS 100, 105, or 110.

Credit hours: 4 **Lecture contact hours:** 3 **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 (Natural World). 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. Students will receive credit toward graduation for only one of the following: BMS 100 or 105 or 110. Supplemental course fee. May not be taken Pass/Not Pass.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

BMS 111 Introductory Laboratory in the Biomedical Sciences

Prerequisite: BMS 100 or BMS 105 or BIO 102; and eligibility for both ENG 110 and MTH 135.

This course is identical to the laboratory portion of BMS 110

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 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](#)

and is designed for students who require intensive introductory laboratory experience to prepare for future laboratory work in the biomedical sciences. Cannot receive credit for both BMS 110 and BMS 111. May not be taken Pass/Not Pass.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[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. May not 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

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 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 or BIO 121; and Cell and Molecular Biology or Clinical Laboratory Science-Medical Technology major.

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

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. 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: BMS 308.

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: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Fall, 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

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: CHM 105 or CHM 160 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. May not receive credit for both BMS 130 and BMS 240. May not 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 105 or BMS 110 or BIO 121; and CHM 105 or CHM 106 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.

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.

[Projected offerings](#)

BMS 565 Human Cardiopulmonary Physiology

Prerequisite: BMS 308; 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, Spring

[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. May not 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.

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.

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: 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 or BIO 121.

Lecture and laboratory study of selected human cells, tissues, organs and organ systems. Mammalian examples of various systems studied in laboratory. Credit will only be awarded once for BMS 267, 307 or BMW 267 (West Plains 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" or better in CHM 105 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. Credit will only be awarded once for BMS 268, 308 or BMW 268 (West Plains course). 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 200 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

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

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 200 or 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.

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

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.

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.

Prerequisite: admission to the MS in Nurse Anesthesia 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

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.

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.

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](#)

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 pharma 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

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 is available from the instructor and the Citizenship and Service Learning Office. May be repeated for a maximum of six hours.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

Typically offered: Spring

[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.

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. 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 or MS in Nurse Anesthesia 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 or MS in Nurse Anesthesia 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: 4 **Lecture contact hours:** 4 **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

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: 5 **Lecture contact hours:** 3 **Lab contact hours:** 4

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 308.

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:** 3 **Lab contact hours:** 0

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 or BMS 105 or BMS 110 or BIO 100 or BIO 102 or BIO 121, 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](#)

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 or MS in Nurse Anesthesia 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,

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 intercession 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.

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.

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 Credit, 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.

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.

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

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 credit 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 credit 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 200 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

Prerequisite: admission to MS in Nurse Anesthesia 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 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 Doctor of Physical Therapy 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. Identical with PTE 707. Cannot receive credit for both BMS 707 and PTE 707. 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.

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.

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

Prerequisite: admission to MS in Nurse Anesthesia program.

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 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 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

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 200 or CHM 201 or concurrent enrollment in CHM 200 or CHM 201.

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](#)

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

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 Nurse Anesthesia program or 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](#)

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

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](#)

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 six 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 470 Foundations of Patient Safety for Health

Professionals

Prerequisite: IPE 375 or permission.

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 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](#)

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.

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](#)

Biomedical Sciences

Minor(s)

Biomedical Sciences

Bachelor of Arts

Required Courses: [BMS 110\(4\)](#), [230\(3\)](#), [307\(4\)](#), [308\(4\)](#). BIO 101 or 102 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\(4\)](#), [230\(3\)](#), [307\(4\)](#), [308\(4\)](#)

B. Choose Biomedical Sciences electives to bring total hours in the minor to at least 20 hours. BIO 101 or 102 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 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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [CHM 160](#)(4) and [161](#)(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 110](#)(4), [231](#)(4), [321](#)(4), [494](#)(1), [521](#)(4), [525](#)(4)
 2. Requirements From Other Departments: [CHM 170](#)(3), [171](#)(1), [342](#)(5), [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)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in cell and molecular biology

Undergraduate majors in Cell and Molecular Biology may be accepted into the Cell and Molecular Biology program after admission requirements for the accelerated master's option are met. Once accepted for early admission, up to 12 credit hours of approved 600 and 700-level coursework may be counted toward both the undergraduate and graduate degrees (Mixed Credit). Other required 600-level courses in the master's program that are taken by the undergraduate student, but not included in the accelerated option, may be waived on the masters degree program by the student's graduate advisor if the required courses were taken less than four years previously and the student earned at least a grade of B or better in those courses. Additional graduate coursework to replace waived courses may be needed to meet the 32 hours degree requirement. Accelerated option students must enroll in BMS 730 each semester. The accelerated option allows Cell and Molecular Biology majors who are interested in biomedical research to complete the requirements for the master's degree in two semesters and a summer rather than the typical four semesters and a summer. 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.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 121](#)(4) or [BMS 110](#)(4); and [CHM 160](#)(4) and [CHM 161](#)(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 170](#)(3) and [CHM 171](#)(1); and [CHM 200](#)(5) 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)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Dietetics

Major(s)

Dietetics (Comprehensive)

Bachelor of Science

The Dietetics program is accredited by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association, 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 CADE-accredited Dietetics Internship and, following its successful completion, to take the national registration examination to become credentialed as a Registered Dietitian (RD).

Requirements for ADA 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 105](#) 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

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.

Program Requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education requirements: [BMS 110](#)(4); [CHM 105](#)(5) or [160](#)(4) and [161](#)(1); [CIS 101](#)(2) or [CSC 101](#)(2); [MTH 135](#)(3) or higher; [PSY 121](#)(3); and either [SOC 150](#)(3) or [ECO 155](#)(3) or [AGR 100](#)(3). Other recommended General Education courses include: [PHI 105](#)(3) and/or [PHI 115](#)(3).
- B. Major Requirements
 1. Biomedical Science Courses: [BMS 110](#)(4), [230](#)(3), [240](#)(3), [305](#)(1), [307](#)(4), [308](#)(4), [330](#)(3), [331](#)(4), [332](#)(3), [333](#)(3), [335](#)(3), [338](#)(1), [340](#)(2), [430](#)(3), [438](#)(5), [445](#)(3), [532](#)(3), [536](#)(4), [539](#)(1), [546](#)(4), [550](#)(2), [595](#)(1)
 2. Related Requirements: [ACC 109](#)(1); [BIO 210](#)(3); [CHM 105](#)(5); or ([CHM 160](#)(4), [161](#)(1), [170](#)(3) and [171](#)(1)); [CHM 200](#)(5) or [CHM 201](#)(3); [CHM 352](#)(3); [CIS 101](#)(2) or [CSC 101](#)(2); [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 higher; [PSY 121](#)(3); [SOC 150](#)(3) or [ECO 155](#)(3) or [AGR 100](#)(3). Recommended electives: [BMS 345](#)(3); [CHM 353](#)(2); [MKT 350](#)(3)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 and a cumulative GPA of 2.50 or higher.

Program Requirements

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education requirements: [CHM 105](#)(5) or [CHM 160](#)(4); [PSY 121](#)(3)

B. Major Requirements (57-83 hours)

1. Interpersonal Leadership Core (30 hours): [IPE 375](#)(3), [IPE 470](#)(3), [IPE 475](#)(3), [IPE 575](#)(3); [BMS 599](#)(3); [COM 521](#)(3); [HCM 301](#)(3) or [HCM 303](#)(3); [MGT 340](#)(3); [NUR 515](#)(3); [SWK 595](#)(3)

2. 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](#)(4), [230](#)(3), [240](#)(3), [307](#)(4), [345](#)(3), [332](#)(3), [334](#)(3), [460](#)(1); select three hours from [BMS 397](#)(1-3) or [BMS 497](#)(1-3)

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); [HCM 504](#)(3); [MGT 345](#)(3); [MKT 350](#)(3); [PSY 304](#)(3); [PSY 363](#)(3); [PSY 365](#)(3); [PSY 508](#)(3); [SOC 341](#)(3); [SWK 502](#)(3); or others in consultation with an advisor.

*If not taken to meet requirements listed above.

D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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\(3\)](#), [335\(3\)](#), [338\(1\)](#), [340\(2\)](#), [345\(3\)](#), [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

Includes accelerated master's option

Undergraduate

[Communication Sciences and Disorders](#) (BS)

Graduate

[Communication Sciences and Disorders](#) (MS)

[Education of the Deaf and Hard of Hearing](#) (Certificate)

[Doctor of Audiology](#) (AuD)

Accreditation

- American Speech-Language-Hearing Association – Communication Sciences and Disorders options in Speech-Language Pathology (MS), and Doctor of Audiology (AuD)
- Council on Education of the Deaf – Communication Sciences and Disorders option in Education of Deaf and Hard of Hearing (MS)

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.

Personalized minor

There is an opportunity for a [personalized minor](#) in Communication Sciences and Disorders. For more information, contact the department head or department academic advisor.

Contact

Interim department head

Letitia White, PhD

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[@missouristate.edu](mailto:CommunicationSciencesandDisorders@missouristate.edu)

Website

www.missouristate.edu/CSD

Communication Sciences and Disorders Faculty

(as of July 23, 2013)

Professors

[Klaas Bakker, PhD](#)

[Wafaa A. Kaf, PhD](#)

[Julie J. Masterson, PhD](#)

[Lisa A. Proctor, PhD](#)

Associate professors

Thomas C. Franklin, PhD

[Ye \(Angel\) Wang, PhD](#)

[Letitia White, PhD](#)

Assistant professors

[Rose L. Allen, PhD](#)

[Alana Mantie-Kozlowski, PhD](#)

[Shurita Thomas-Tate, PhD](#)

Clinical associate professor

[Tara Oetting, MS](#)

Clinical faculty

[Sarah Barber, AuD](#)

[Elisabeth C. Bell, MA](#)

[Deborah Cron, MEd](#)

[Karen Engler, MA](#)

[Jennifer Kerr, MS](#)

Clinical director

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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: CSD 312.

Nature, evaluation and treatment of language disorders in children. The goal of the course is to introduce students to the

CSD 742 Speech-Language Services in Medical Settings

Prerequisite: permission.

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 I

Prerequisite: permission.

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 II

Prerequisite: permission.

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: permission.

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: Summer

[Projected offerings](#)

CSD 761 Language Development: Deaf and Hard of Hearing II

Prerequisite: permission.

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: Spring

[Projected offerings](#)

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: CSD 216 and 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: CSD 210 and CSD 216.

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 Conceptually Accurate 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 721. Cannot receive credit for both CSD 321 and CSD 721.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall

[Projected offerings](#)

CSD 322 Conceptually Accurate 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 922. Cannot receive credit for both CSD 322 and CSD 922.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall

[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 and CSD 930. Cannot receive credit for CSD 330 and CSD 636 and CSD 930.

CSD 762 Speech Development: Deaf and Hard of Hearing I

Prerequisite: permission.

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. Two semester sequence, CSD 763 to follow.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall

[Projected offerings](#)

CSD 763 Speech Development: Deaf and Hard of Hearing II

Prerequisite: CSD 762 and permission.

Application of information learned in CSD 762. Utilizing a collaborative model for the development of speech/spoken language is emphasized by maximizing the use of residual hearing and cochlear implant technology across settings.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring

[Projected offerings](#)

CSD 764 Instructional Strategies and Assessment: Deaf and Hard of Hearing

Prerequisite: permission.

Formal and informal assessment, the concept of curriculum, instructional placement and programming for students who are deaf or hard of hearing from the upper elementary through the secondary school levels, including career education. Development of instructional strategies with an emphasis on individualized instruction.

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: permission.

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: Spring

[Projected offerings](#)

CSD 766 Counseling: Deaf and Hard of Hearing

Prerequisite: permission.

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,

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 and permission.

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 and permission.

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

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

[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: CSD 360.

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: permission.

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: permission.

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: permission.

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: permission.

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: permission.

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.

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.

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. We 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

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](#)

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: permission.

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: permission.

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: permission.

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: permission.

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.

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.

Credit hours: 3 **Lecture contact hours:** 1 **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.

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.

Credit hours: 8 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

CSD 797 Speech-Language Pathology Externship

Prerequisite: permission.

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.

Credit hours: 1-4 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

CSD 799 Masters Thesis

Prerequisite: permission.

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: permission.

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: permission.

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: permission.

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

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 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 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 673. Cannot receive credit for both CSD 673 and CSD 572.

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 623 Neural Bases of Human Communication

Prerequisite: permission.

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 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.

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 Diagnostic Audiology II

Prerequisite: permission.

In the first part of the course, the different types of otoacoustic emissions will be discussed in detail. Students will learn to record, analyze and interpret otoacoustic emissions. They will learn screening and diagnostic applications of otoacoustic emissions in a variety of auditory pathologies. In the second part of the course, research methodology will be applied to demonstrate efficacy in clinical service delivery in all areas of audiology practice. Outcome measures for various diagnostic test will be discussed.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CSD 840 Speech Pathology for the Audiologist

Prerequisite: permission.

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: permission.

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: Spring

[Projected offerings](#)

CSD 844 Electrophysiology

Prerequisite: permission.

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: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

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 and permission.

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 and permission.

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: permission.

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

CSD 846 Instrumentation and Calibration

Prerequisite: permission.

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: permission.

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: permission.

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: permission.

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: permission.

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: permission.

Various counseling strategies used in clinical audiology

Prerequisite: permission.

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 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: permission.

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: permission.

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: permission.

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.

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: permission.

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: permission.

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: permission.

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: permission.

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: permission.

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](#)

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CSD 714 Language Disorders: Rehabilitation

Prerequisite: permission.

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: permission.

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: permission.

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

Prerequisite: permission.

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

Prerequisite: permission.

The study of the human voice and its disorders. Emphasis on 1) evaluation and treatment of neurogenic, psychogenic, and ideopathic 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 723 Sign Language

Prerequisite: CSD 321 or CSD 921; 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

CSD 875 Medical Audiology

Prerequisite: permission.

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: permission of instructor.

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; federal 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 and Practice Management

Prerequisite: permission.

Investigation into the current professional issues and ethics in the field of audiology, as well as legal aspects of audiology practice management. Emphasis is placed on private and clinical practice. Laws, ethics, current issues, regulations, policies, management practices, and record maintenance will also be covered.

Credit hours: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

CSD 880 Grand Rounds in Audiology

Prerequisite: permission.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CSD 884 Doctoral Project

Prerequisite: permission.

In-depth study in an area of Audiology, culminating in a

to complete a project in an area related to their professional course of study. May be taught concurrently with CSD 322 or CSD 922. May only receive credit for one of the following: CSD 322, CSD 723, and CSD 922.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CSD 724 Aphasia

Prerequisite: permission.

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: permission.

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: permission.

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: permission.

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: permission.

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: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

presentation of an extensive scholarly paper. Must be repeated for a minimum of 6 credit hours.

Credit hours: 1-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

CSD 895 Advanced Clinical Practice

Prerequisite: permission.

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 921 Sign Language 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 921. 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 922 Sign Language II

Prerequisite: CSD 921 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 322. Students cannot receive credit for both CSD 322 and CSD 922. 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: Spring

[Projected offerings](#)

CSD 930 Introduction to American Sign Language

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. Students cannot receive credit for both CSD 330 and CSD 930. Students in this course will be required to complete additional assignments compared to those students in CSD 330.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CSD 945 Central Auditory Processing Disorders

Prerequisite: permission.

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

Typically offered: Spring

[Projected offerings](#)

CSD 732 Speech and Language Assessment and Treatment for Special Populations

Prerequisite: permission.

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: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Spring, Summer

[Projected offerings](#)

CSD 741 Dysphagia

Prerequisite: permission.

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](#)

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 946 Genetics and Hearing Loss

Prerequisite: permission.

Provides basic understanding of genetic terminology, cell biology (mitosis and meiosis), DNA structure and function, introduction to genetic aspects of hearing loss, mode of inheritance, pedigree chart, syndromic and nonsyndromic hearing loss, molecular aspects to nonsyndromic hearing loss, epidemiology of hearing loss, and genetic screening and diagnosis. Also, issues related to genetic testing, impact on families, bioethics and cultural issues in deaf community, and genetic counseling will be discussed. Course will also cover the current research about human genome and its relation to diagnosis and treatment of hearing loss. Several case studies and hands-on activities will be presented to incorporate course materials and class discussion.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CSD 972 Advanced Auditory Re/Habilitation

Prerequisite: permission.

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: permission.

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: permission.

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 credit hours.

Credit hours: 1-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

Communication Sciences and Disorders

Major(s)

Communication Sciences and Disorders (Comprehensive)

Bachelor of Science

Admission Requirements

Admission to the Bachelor of Science degree program in the Department of Communication Sciences and Disorders will be granted to students, including transfer students, when the requirements indicated below have been met.

- A. Attainment of at least a 2.50 grade point average (based on a 4.0 scale) on all coursework attempted at Missouri State. For those students with transfer credit, a combined grade point average of at least a 2.50 must be achieved for all coursework being transferred plus all coursework attempted at Missouri State.
- B. The completion of a minimum of 50 semester hours including the following General Education courses. Please check with your advisor concerning any options for any of these courses.
 1. Four hours of Biological Science
 2. Four hours of Physical Science
 3. Three hours of Mathematics (comparable to [MTH 135](#))
 4. Three hours of Psychology (comparable to [PSY 121](#))
 5. Three hours of the General Education Culture and Society Area of Inquiry
 6. Six hours of the General Education Self-Understanding Area of Inquiry

Program Requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 1. Core: [CSD 312\(3\)](#), [321\(3\)](#), [360\(3\)](#), [370\(3\)](#); [CSD 495\(2\)](#) and [496\(2\)](#) or EDHH students substitute [CSD 497\(3\)](#); [CSD 572\(3\)](#); [PSY 121\(3\)](#)
 2. Options (select one):
 - a. **Audiology:** [ENG 296\(3\)](#); [CSD 210\(3\)](#), [216\(3\)](#), [315\(3\)](#), [316\(3\)](#), [318\(3\)](#), [362\(3\)](#), [380\(3\)](#), [388\(3\)](#), [400\(3\)](#), [562\(3\)](#); [PSY 200\(3\)](#)
 - b. **Education of Deaf and Hard of Hearing:** [EDC 150\(0\)](#), [EDC 345\(3\)](#); [SPE 310\(3\)](#); [CSD 322\(3\)](#), [330\(3\)](#), [331\(3\)](#), [380\(3\)](#), [562\(3\)](#). Does not prepare students for teacher certification or entry into the CSD accelerated MS. EDHH students pursuing a career as a certified teacher of the deaf and hard of hearing should consider applying to the accelerated master's program in the spring of their junior year. Education of the Deaf and Hard of Hearing accelerated master's students also take the following major requirements: [CSD 760\(3\)](#), [762\(3\)](#), [763\(3\)](#), [795\(3\)](#) for undergraduate and graduate credit and additional coursework to meet state of Missouri teacher certification requirements. See certification requirements below.
 - c. **Speech-Language Pathology:** [ENG 296\(3\)](#), [CSD 210\(3\)](#), [216\(3\)](#), [315\(3\)](#), [316\(3\)](#), [318\(3\)](#), [362\(3\)](#), [388\(3\)](#), [400\(3\)](#), [417\(3\)](#), [482\(3\)](#), [522\(3\)](#); [PSY 200\(3\)](#)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Note: CSD majors may not take any CSD course on a Pass/Not Pass basis.

Certification Requirements for Deaf and Hard of Hearing Emphasis

Contact your advisor or the Department Head for the requirements and coursework necessary to meet state and national certification requirements. Education of Deaf and Hard of Hearing students must take certain coursework through the Teacher Education Program and are required to collect and assemble materials for completion of a teaching portfolio. In order to be recommended for state certification, each student must:

- A. Be admitted to the Teacher Education Program - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- B. Successfully complete all Practicum requirements with a grade of "B" or better.
- C. Successfully complete the graduate degree in Communication Sciences and Disorders in the Deaf and Hard of Hearing emphasis.
- D. Successfully complete the state approved exit assessment.
- E. Complete all state certification requirements in effect at the time a recommendation is made.

Accelerated master's degree in communication sciences and disorders/education of deaf and hard of hearing

This option provides an opportunity for Missouri State undergraduate students to begin graduate coursework during the senior year, and complete the graduate degree program in three graduate semesters. Students should consider applying to the

accelerated master's degree program in the spring of their junior year. If accepted, a maximum of 12 hours of graduate-level coursework may count toward both the undergraduate and the graduate degree (Mixed Credit).

Entrance requirements

To be eligible to apply for admission to this program, the student must:

- A. have junior standing and an overall GPA of 3.00 or better;
- B. have completed general education requirements;
- C. have completed the following courses: EDC 150, SPE 310, CSD 330, CSD 312, CSD 360, EDC 350 and CSD 321 prior to applying to graduate school in the spring of their junior year; and
- D. strong letters of recommendations.

After successful completion of the Bachelor of Science in CSD requirements, all students in the accelerated master's program will receive the BS and will be granted full admission to the graduate college.

Please see admission requirements in the Graduate Catalog under [Master of Science in Communication Sciences and Disorders](#) for a complete list of application requirements and deadlines.

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 Kinesiology

Programs

Includes accelerated master's option

Undergraduate

[Coaching](#) (Minor)

[Radiography](#) (BS)

[Exercise and Movement Science](#) (BS)

[Recreation, Sport, and Park Administration](#) (BS, Minor)

[Physical Education](#) (BSEd)

[Respiratory Therapy](#) (BS)

Graduate

[Health Promotion and Wellness Management](#) (MS)

[Sports Management](#) (Certificate)

[Secondary Education with an option in Physical Education](#) (MSEd)

[Sports Management](#) option within the Administrative Studies program (MS)

Accreditation

- Missouri Department of Elementary and Secondary Education – Physical Education (BSEd), and Secondary Education/Physical Education (MSEd)
- National Association for Sport and Physical Education – Physical Education (BSEd), and Secondary Education/Physical Education (MSEd)
- National Council for Accreditation of Teacher Education – Physical Education (BSEd), and Secondary Education/Physical Education (MSEd)
- National Recreation and Park Association – Recreation, Sport, and Park Administration (BS)

Fine Arts courses

Fine Arts courses are available. Refer to the [specific Bachelor of Arts requirements](#) for a listing of the courses.

General information

Credit for military education and experience

Students who successfully completed Basic Training in any of the United States military branches after December 31, 1997, will be exempt from the KIN 100 General Education Program requirement. Refer to the [Transfer Credit Policy, Credit for Military Education and Experience](#) section of catalog for more information.

KIN 100 requirement for students with physical impairments

Students with medical disabilities may meet the health and well-being requirement by enrolling in a KIN 100 lecture section concurrently with a special laboratory section of KIN 100 designed to meet the needs of students with disabilities.

KIN 100 transfer credit

Students who transfer from accredited colleges with at least two hours of credit in health and well-being coursework may have completed the Health and Well-Being requirement upon approval from the Department Head of Kinesiology.

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.

Contact

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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.

Kinesiology Faculty

(as of July 23, 2013)

Professors

[Barbara A. Bushman, PhD](#)

[Steven F. Illum, PhD](#)

[Gerald L. Masterson, PhD](#)

[Sarah G. McCallister, EdD](#)

[David Oatman, EdD](#)

[Rhonda R. Ridinger, PhD](#)

[Daniel Wilson, PhD](#)

[Rebecca J. Woodard, PhD](#)

Associate professors

[Thomas S. Altena, EdD](#)

[John Downing, PhD](#)

[Hugh M. Gibson, EdD](#)

[Yating Liang, PhD](#)

[Janice Nelsen, EdD](#)

[Melinda Novik, PhD](#)

Assistant professors

[Brenda S. Goodwin, MEd](#)

[Amanda M. Perkins, PhD](#)

[Scott Richmond, PhD](#)

[Gayle Runke, MS](#)

Senior instructor

[Kirsten A. Hatz, MEd](#)

Instructors

[Stacy E. Goddard, MS](#)

[Michael W. Keltner, EdS](#)

[Larry W. Mays, EdS](#)

Recreation, sport, and park administration program director

[Professor Keith D. Ernce, PhD](#)

Emeritus professors

A. Duane Addleman, PhD

[Larry R. Atwood, MS](#)

[Wesley Bair, EdD](#)

[Thomas H. Burnett, PhD](#)

Nancy Curry, PhD

Kay Hunter, MEd

[Gloria Johnson, MS](#)

Jay Kinser, MEd

Michael McCarty, PhD

[Perry Miller, EdD](#)

[Gary Shoemaker, EdD](#)

George Simpson, EdD

[Reba Sims, MS](#)

Peggy Thomas, EdD

William Thomas, MEd

[Gary Thompson, MS](#)

[Alex D. Trombetta, HSD](#)

[Dale Williams, MS](#)

[Tillman Williams, PhD](#)

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 Health, Physical Education and Recreation

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 M.S. 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 100 Fitness for Living

General Education Course (Basic Required Courses).

The values of health-related physical fitness; ramifications of a negative health life-style presented for individuals living in an automated, sedentary society, encouraging students to make intelligent decisions concerning a positive health life-style to enhance wellness now and in the future. Laboratory helps the individual discover his or her needs for achieving and maintaining high level wellness. Supplemental course fee.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

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 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. This course may not be taken Pass/Not Pass. Student may not 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. This course credited on a coaching minor only. KIN 366 will not count toward a physical education major. Students may not 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

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

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

[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**

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. May not 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. May not 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. May not 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.

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.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

KIN 143 Beginning Tennis

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. May not 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.

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](#)

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 100; COM 115 with a "C" grade or better; and

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. 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.

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.

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.

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. May not be taken Pass/Not Pass. The Missouri State Board of Education entry examination must be taken during enrollment in this course.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

KIN 201 Introduction to Biomechanics

Prerequisite: 30 hours.

Mechanics of sports; principles of motion related to individual and team sports. Techniques to analyze individual sport skills.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[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: 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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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.

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

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 102 or BIO 121 or BMS 110.

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.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

KIN 252 Applied Human Physiology

Prerequisite: CHM 105 or CHM 106 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

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.

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. May not 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

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

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 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

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

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 Health, Physical Education, and Recreation

Prerequisite: HLH 700 or equivalent or permission of instructor.

Applications of descriptive and inferential statistics to research problems in Health, Physical Education, and Recreation.

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](#)

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 Writing II: Philosophical and Historical Issues in Physical Education, Recreation and Sport

Prerequisite: ENG 110 and KIN 200 or REC 152; and 45 credit hours.

General Education Course (Basic Required Courses). 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. Meets Writing II requirement for a major in Physical Education or Recreation and Leisure Studies.

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 100.

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 promotions. 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.

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

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 201 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](#)

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 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 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 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.

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 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 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.

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 credit 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.

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 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](#)

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

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: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, 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. Team taught by Geography and Recreation, Sport, and Park Administration faculty. Identical with GRY 310. Cannot receive credit for both REC 320 and GRY 310.

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](#)

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

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](#)

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

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. 8 or

Credit hours: 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](#)

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

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](#)

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](#)

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

Degree requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of the catalog
Specific General Education Requirements: [BIO 102](#)(4) or [BIO 121](#)(4) or [BMS 110](#)(4); [CHM 105](#)(5) or [CHM 160](#)(4) and [CHM 161](#)(1); [PSY 121](#)(3)
- B. Major Requirements: Note: 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. Note: Student certification in first aid and CPR must be documented and maintained throughout the program. Note: Transfer credit courses must have grade of "C" or better and be from a regionally accredited college or university.
1. Core Requirements (52-55 hours): Note: a grade of "C" or better is required in all KIN courses.
[BIO 102](#)(4) or [BIO 121](#)(4) or [BMS 110](#)(4); [CHM 105](#)(5) or [160](#)(4) and [161](#)(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. 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.
[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 170](#)(3) and [171](#)(1) or [CHM 352](#)(3) and [353](#)(2); [CHM 200](#)(5) 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
 3. Majors must pass the ACSM Health Fitness Specialist Exam, or the NSCA Certified Strength and Conditioning Specialist Exam, or score at least at the 70th percentile on a major field achievement exam
 4. 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in health promotion and wellness management

Students enrolled in programs in the Department of Kinesiology may be accepted into the Health Promotion and Wellness Management program after admission requirements for the accelerated master's option are met. Once accepted for early admission, up to 12 credit hours of approved 600 and 700-level coursework (Mixed Credit) may be counted toward both the undergraduate and graduate degree programs.

The accelerated option allows majors in the Department of Kinesiology who are interested in health promotion and wellness management to complete the requirements for the graduate degree in three semesters and a summer rather than the typical four semesters and a summer. 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.

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. That participation is granted upon demonstration of a high level of academic and professional competence. Successful participation should result in the student's achieving certification to teach in Missouri public schools.

All students desiring Missouri certification are required to submit a professional portfolio. This portfolio will be assessed, evaluated, and monitored throughout the teacher education program with the assistance and guidance from faculty. There are three distinct checkpoints for the portfolio: 1) at admission to the teacher education program (culmination of the introductory course-KIN 200; 2) at the designated methods course(s); and 3) at the culmination of supervised teaching. 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:
- a. A valid ACT score on file if required by the University for admission purposes and/or Missouri Department of Elementary and Secondary Education
 - b. A combined (Missouri State and transfer) GPA of 2.75 or higher
 - c. Completed [COM 115](#) with a minimum grade of "C" or concurrent enrollment in COM 115.
 - d. Complete [KIN 100](#).
 - e. Completed at least 30 semester hours.
 - f. A highway patrol background check prior to any clinical experience placement (fee required).

Note: The Missouri Department of Elementary and Secondary Education will require an FBI background check prior to issuing a certificate.

- 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. Application is automatically made 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)
- a. A combined (both Missouri State and Transfer) GPA of 2.75 or higher
 - b. Passed all sections of the Missouri State Board of Education entry examination and attained a minimum grade of "C" in [COM 115](#). A student who fails to meet this criterion and who wishes to appeal may do so in writing. Such appeals shall be filed with the chairperson of the Professional Education Exceptions Committee.
 - c. Completed [KIN 200](#) with minimum grade of "C"
 - d. Passed portfolio first checkpoint
 - e. A satisfactory background check on file
 - f. Complete at least 45 semester hours
- C. Requirements for Continuance in the PETE Program:** In order to progress through the PETE program a student must:
- a. Maintain a combined (Missouri State and transfer) GPA or 2.75 or higher
 - b. Maintain a combined (Missouri State and transfer) GPA of 3.00 or higher in the major
 - c. Pass portfolio checkpoints
 - d. Complete Physical Education Professional Education courses with a minimum grade of "C"
 - e. 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:
- a. Been admitted to the PETE Program
 - b. A combined GPA of 2.75 or higher for all college level course work completed
 - c. A statement from the Director of Taylor Health and Wellness Center that a tuberculin test or chest x-ray has been completed and that the student has not been identified as infected with a communicable disease
 - d. Completed at least 15 hours at Missouri State, with a GPA of 2.50 or higher for all work at Missouri State
 - e. A combined (Missouri State and Transfer) GPA of 3.00 or higher in major
 - f. Passed portfolio second checkpoint

- g. Student advisor recommendation
- h. Recommended by the Department of Health, Physical Education, and Recreation

*Additional fees are assessed for supervised teaching. Refer to the [Costs and Fees website](#) for more information.

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

- a. Successfully completed Supervised Teaching
- b. Met all Missouri teacher certification requirements which are in effect at time of certification
- c. A combined (both Missouri State and transfer) GPA of 2.75 or higher
- d. Completed professional education courses with a GPA (Missouri State and transfer combined) of 3.00 or higher and no grade lower than "C".
- e. A combined (Missouri State and transfer) GPA of 3.00 or higher in the certificate subject area (major)
- f. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.
- g. Passed final portfolio requirement

*Note: The Missouri Department of Elementary and Secondary Education will require in FBI background check prior to issuing a certificate.

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.

Program Requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 102](#)(4) or [BIO 121](#)(4); [CHM 105](#)(5) or [106](#)(4) or [160](#)(4)
- B. Major Requirements. A grade of "C" or better is required in each of the following courses.
 - 1. [ATC 222](#)(2); [KIN 100](#)(2)*, [200](#)(3), [240](#)(2), [250](#)(3), [252](#)(3), [257](#)(2), [260](#)(2), [264](#)(2), [270](#)(1), [273](#)(1), [277](#)(2), [335](#)(2), [358](#)(3), [360](#)(4), [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 from: [KIN 300](#)(1), [301](#)(1), [302](#)(1), [303](#)(1), [304](#)(1), [305](#)(1)

* *KIN 100 may be used to meet General Education Requirements.*
- 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](#)(2), [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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Missouri State Teacher Certification

Driver Education

Bachelor of Science in 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)

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.

Students enrolled in programs in the Department of Kinesiology may be accepted into the Health Promotion and Wellness Management program after admission requirements for the accelerated master's option are met. Once accepted for early admission, up to 12 credit hours of approved 600 and 700-level coursework (Mixed Credit) may be counted toward both the undergraduate and graduate degree programs.

The accelerated option allows majors in the Department of Kinesiology who are interested in health promotion and wellness management to complete the requirements for the graduate degree in three semesters and a summer rather than the typical four semesters and a summer. 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.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BMS 110](#)(4); [CHM 105](#)(5) or [CHM 160](#)(4)*; [ECO 155](#)(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 200](#)(5); [CIS 101](#)(2) or [CSC 101](#)(2) or [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. Specialty Requirements (choose one option):
 - a. **Education: Note: This option has been temporarily suspended and is not being offered at this time. Contact the department for more information.** PSY 360(2); SEC 301(2); IMT 565(2); SFR 396(2); plus two courses from PSY 200(3), 306(3) or 502(3), 508(3), 529(3); SFR 547(2)
 - b. **Management:** [ACC 201](#)(3); [MGT 340](#)(3), [341](#)(3); plus two courses from [ACC 211](#)(3); [MGT 345](#)(3), [367](#)(3), [368](#)(3); [QBA 237](#)(3)
 - c. **Science:** Select 14 hours in science courses from Biology, Biomedical Sciences, or Physics with approval of advisor

- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in health promotion and wellness management

Students enrolled in programs in the Department of Kinesiology may be accepted into the Health Promotion and Wellness Management program after admission requirements for the accelerated master's option are met. Once accepted for early admission, up to 12 credit hours of approved 600 and 700-level coursework (Mixed Credit) may be counted toward both the undergraduate and graduate degree programs.

The accelerated option allows majors in the Department of Kinesiology who are interested in health promotion and wellness management to complete the requirements for the graduate degree in three semesters and a summer rather than the typical four semesters and a summer. 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.

Recreation, Sport, and Park Administration

Major(s)

Recreation, Sport, and Park Administration (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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), [205](#)(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](#)(4), [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](#)(1), [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:
 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
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Recreation, Sport, and Park Administration (Non-Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog)
- B. Major Requirements (53-57 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), [205](#)(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
- C. Minor required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 master's degree in health promotion and wellness management

Students enrolled in programs in the Department of Kinesiology may be accepted into the Health Promotion and Wellness Management program after admission requirements for the accelerated master's option are met. Once accepted for early admission, up to 12 credit hours of approved 600 and 700-level coursework (Mixed Credit) may be counted toward both the undergraduate and graduate degree programs.

The accelerated option allows majors in the Department of Kinesiology who are interested in health promotion and wellness management to complete the requirements for the graduate degree in three semesters and a summer rather than the typical four semesters and a summer. 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.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 121](#)(4) or [BMS 110](#)(4); [CHM 105](#)(5) or [160](#)(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)*; [PHY 123](#)(4)*
* *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: Note: This option has been temporarily suspended and is not being offered at this time. Contact the department for more information.** [PSY 390](#)(3); [SEC 300](#)(2), [301](#)(2); [EDT 565](#)(2); [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), [341](#)(3); plus two courses from [ACC 211](#)(3); [MGT 345](#)(3), [367](#)(3), [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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in health promotion and wellness management

Students enrolled in programs in the Department of Kinesiology may be accepted into the Health Promotion and Wellness Management program after admission requirements for the accelerated master's option are met. Once accepted for early admission, up to 12 credit hours of approved 600 and 700-level coursework (Mixed Credit) may be counted toward both the undergraduate and graduate degree programs.

The accelerated option allows majors in the Department of Kinesiology who are interested in health promotion and wellness management to complete the requirements for the graduate degree in three semesters and a summer rather than the typical four semesters and a summer. 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 Nursing

Programs

Includes accelerated master's option

Undergraduate

[Nursing \(generic, 4-year program\)](#) (BSN)

[Health Care Management](#) (Minor)

[Nursing \(completion program for registered nurses\)](#) (BSN)

Graduate

[Doctor of Nursing Practice](#) (DNP)

[Post-Master's Nurse Educator](#) (Certificate)

[Master of Science in Nursing](#) (MSN)

Accreditation

- Commission on Collegiate Nursing Education – Nursing (Generic 4-year Program) (BSN); Nursing (Completion Program for Registered Nurses) (BSN); Master of Science in Nursing (MSN); Post-Master's Nurse Educator Certificate
- 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

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 non-degree seeking students.

Contact

Department head

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Nursing Faculty

(as of July 23, 2013)

Professors

[Susan Sims-Giddens, EdD](#) - BSNC and NE Program Director

[Kathryn L. Hope, PhD](#)

[Rose A. Utley, PhD](#)

Assistant professors

[Susan L. Berg, DNP](#) - DNP and FNP Program Director

[Rhea Faye Felicilda, EdD](#)

[Donna S. Gloe, EdD](#)

[Kristina Henry, DNP](#) - BSN Program Director

Clinical assistant professors

[Maria S. Kenneally, DNP](#)

[Debra L. Savinske, MN](#)

Clinical instructors

[Jan Atwell, MSN](#)

[Carol A. Daniel, MSN](#)

[Carolyn F. Graves, MSN](#)

[Danita A. Todd, MSN](#)

Emeritus professor

[Caroline A. Helton, MS, MN](#)

Emeritus instructor

[Elizabeth M. Fahey, MSN](#)

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 306 Professional Emergence

Prerequisite: registered nurse.

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

[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 Family Nurse Practitioner or Nurse Educator specialization or instructor permission.

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 Family Nurse Practitioner or Nurse Educator specialization or instructor permission.

Fosters development of advanced knowledge of health concepts from a local, state, national, and global perspective.

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

Variable content course dealing with issues relative to the health and safety of children. Methods to reduce morbidity and mortality rates are included. Content appropriate for non-nursing majors. This course may not 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

Variable course content dealing with issues concerning women's health. Content is appropriate for non-nursing majors. This course may not 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](#)

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: Fall

[Projected offerings](#)

NUR 704 Population Health Practicum

Prerequisite: admission to the Family Nurse Practitioner specialization.

This course is a clinical component of NUR 703. The clinical experience will include 48 hours of immersion into a vulnerable, undeserved or culturally diverse population.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 3

Typically offered: Fall, Spring, Summer

[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. Supplemental course fee.

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. Supplemental course fee. 4(

Credit hours: 2-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall

[Projected offerings](#)

NUR 728 Primary Care of Children and Adolescents

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 341 Nursing: Individuals and Families

Prerequisite: RN; and admission to the 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

[Projected offerings](#)

NUR 342 Nursing: Health Assessment

Prerequisite: admission to the 4-year Generic Nursing Program or the 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.

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. NUR 420 and NUR 620 may be taught concurrently. Cannot receive credit for both NUR 420 and NUR 620.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

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. Supplemental course fee.

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.

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 Family Nurse Practitioner specialization.

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.

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.

Credit hours: 6 **Lecture contact hours:** 4 **Lab contact hours:** 6

Typically offered: Spring

[Projected offerings](#)

NUR 761 Advanced Pharmacotherapeutics

Prerequisite: admission to the Family Nurse Practitioner specialization.

An in-depth analysis of pharmacotherapeutics and clinical pharmacotherapeutics for nurses in advanced practice including regulatory consideration in drug management. Identical to 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.

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.

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 satisfactory score on the writing diagnostic exam; statistics (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 (Basic Required Courses). 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

[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.

Clinical application of advanced pathophysiology for advanced nursing roles.

Credit hours: 2 **Lecture contact hours:** 1 **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.

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 Family Nurse Practitioner or Nurse Educator specialization or instructor permission.

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

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: 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

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 Family Nurse Practitioner or Nurse Educator specialization or instructor permission.

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 Family Nurse Practitioner specialization.

Development of the role of a family nurse practitioner in a supervised setting. Included 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](#)

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. Cannot receive credit for both NUR 635 and NUR 515.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: 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

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.

problems relevant to nursing. 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 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

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.

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. Cannot receive credit for both NUR 515 and NUR 635.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: 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. 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](#)

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](#)

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. May not 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. May not 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 (Comprehensive) (generic, 4-year program)

Bachelor of Science in Nursing

The Department 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 Department of Nursing.

Program requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements that must be passed with a grade of C- or higher are: [CHM 105](#)(5) or [160](#)(4) preferred; [PSY 121](#)(3); [SOC 150](#)(3), [MTH 130](#)(3) or higher
- B. Major Requirements
 1. The following prerequisites must be completed before beginning the first nursing course: [BIO 210](#)(3); [BMS 130](#)(3) or [BMS 240](#)(3) preferred; [BMS 307](#)(4) or [KIN 250](#)(3); [BMS 308](#)(4) or [KIN 252](#)(3)
 2. Upper Division Nursing: [NUR 302](#)(4), [303](#)(3), [304](#)(5), [311](#)(2), [312](#)(6), [322](#)(4), [323](#)(4), [331](#)(4), [342](#)(4), [360](#)(3), [416](#)(2), [442](#)(6), [472](#)(3), [478](#)(2), [482](#)(6), [565](#)(3)
 3. 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)
 4. 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)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 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 Department 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, 2009).

Admission Policies

1. Admission to Missouri State University.
2. Completion of application to the Generic BSN program to the Department 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 Basic Required Courses for General Education, except Writing II.
6. Completion of the specific General Education requirements listed in A above with a grade of C- or higher.
7. MTH 130(3) or higher, chemistry, and anatomy will be given additional points in the selection process if completed by the January 31 application date.
8. A minimum cumulative GPA of 2.75 in all attempted college course work. Complete nursing prerequisites with a grade of "C-" or higher.
9. Meet technical standards of the program in order to successfully undertake the course of study. These standards are available upon request from the program.
10. 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).
11. Current American Heart Association (AHA) Basic Life Support (BLS) for Healthcare Providers certification. Students taking CPR for the first time must take a 4-hour face-to-face American Heart Association BLS Healthcare for Provider's CPR course. Online didactic course and written test are available at <http://www.onlineAHA.org> for a fee for those students who need to recertify. No *online* practice and skills testing will be accepted.
12. 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.
13. 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.
14. Applicants must demonstrate academic potential to successfully complete the program.
15. Applicants must demonstrate acceptable levels of maturity, integrity, and behavior and attitudes normally expected of

professional nurses.

16. 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.

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 Department.
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 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 Nursing Department.
 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 Department of Nursing Admission, Progression and Graduation Committee. Applications for readmission will be reviewed on an individual basis and be based on prior success in the program, and potential for successful graduation from the 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 (Comprehensive) (completion program for registered nurses)

Bachelor of Science in Nursing

The Department 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 Department of Nursing.

Program Requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [SOC 150\(3\)](#) and [PSY 121\(3\)](#)
- B. Major Requirements
 1. Upper Division Nursing Requirements: [NUR 306\(3\)](#), [341\(4\)](#), [342\(4\)](#), [442\(6\)](#), [472\(3\)](#), [482\(6\)](#), [484\(2\)](#), [515\(3\)](#), [565\(3\)](#)
 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.
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
A maximum of six hours in NUR 499 may be credited toward the degree.

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. Provide evidence of current malpractice liability insurance prior to enrollment in the first clinical nursing course (i.e., NUR 442).
5. GPA of 2.50 or higher on a 4.00 scale, based on at least 30 hours of college work. Students with GPAs between 2.00 and 2.50 will be considered on an individual basis.
6. Current American Heart Association BLS for Healthcare Providers certification. No online courses are accepted.
7. 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)).
8. An admission conference with a member of the Department of Nursing Faculty is recommended for direction in sequencing courses.
9. Applicants must demonstrate acceptable levels of maturity, integrity, and behaviors and attitudes normally expected of professional nurses.
10. Applicants must demonstrate acceptable academic potential to successfully complete the program.

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 Department 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 Department 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 Department 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 Nursing Department.
 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. No online courses are accepted.
- 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.

Accelerated Master of Science in Nursing/Nurse Educator Option degree

Students must apply to the accelerated RN to MSN option when they first apply for admission to the B.S.N completion program and prior to enrolling in nursing or supporting courses required in the B.S.N. Students may not enter the RN-MSN option after they begin taking courses for the B.S.N completion program. After successful completion of the B.S.N. requirements, all students in this Nurse Educator option will receive the B.S.N and may be granted full admission to the Graduate College. 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 of the semester.

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 Nursing

Programs

Includes accelerated master's option

Undergraduate

[Nursing \(generic, 4-year program\)](#) (BSN)

[Health Care Management](#) (Minor)

[Nursing \(completion program for registered nurses\)](#) (BSN)

Graduate

[Doctor of Nursing Practice](#) (DNP)

[Post-Master's Nurse Educator](#) (Certificate)

[Master of Science in Nursing](#) (MSN)

Accreditation

- Commission on Collegiate Nursing Education – Nursing (Generic 4-year Program) (BSN); Nursing (Completion Program for Registered Nurses) (BSN); Master of Science in Nursing (MSN); Post-Master's Nurse Educator Certificate
- 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

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 non-degree seeking students.

Contact

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Department of Physical Therapy

Programs

Graduate

[Doctor of Physical Therapy](#) (DPT)

Accreditation

- Commission on Accreditation in Physical Therapy Education – Doctor of Physical Therapy (DPT)

Contact

Department head

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Physical Therapy Faculty

(as of July 23, 2013)

Professor

[Akinniran Oladehin, PT, PhD](#)

Associate professors

[Jeanne L. Cook, PT, PhD](#)

[James M. Hackney, PT, PhD](#)

[Sean C. Newton, PT, PhD](#)

[Barbara Susan Robinson, PT, DPT](#)

[Scott W. Wallentine, PT, DPT](#)

Assistant professors

[Patricia A. Cahoj, PT, MS, DPT, GCS](#)

[Elizabeth M. Williamson, PT, PhD](#)

Physical Therapy Courses

Physical Therapy (PTE) courses

PTE 707 Medical Human Anatomy

Prerequisite: admission to the program or permission.

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. Identical with BMS 707. Cannot receive credit for both PTE 707 and BMS 707. Supplemental course fee.

Credit hours: 6 **Lecture contact hours:** 3 **Lab contact hours:** 10

Typically offered: Fall

[Projected offerings](#)

PTE 710 Introduction to Physical Therapy

Prerequisite: admission to the program.

This course is closely integrated with Professional Issues I. It 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., Standards of Practice for Physical Therapy, Guidelines for Physical Therapy Documentation, and 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.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 4

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 Standards of Practice for Physical Therapy, 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.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 3

Typically offered: Fall

[Projected offerings](#)

PTE 712 Biomechanics and Kinesiology

Prerequisite: admission to the program.

PTE 754 Patient Management: Special Considerations Across the Life Span

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on pediatric and geriatric physical therapy and on the unique considerations that arise in these patients. The processes involved in development are compared and contrasted with the degenerative processes that occur during aging. The specific assessment and treatment methods unique to each population are studied. Additional correlations are presented in cognitive abilities, communication, dependence on others, etc. Family-centered interventions and family education in the home are compared and contrasted in both populations.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 3

Typically offered: Upon demand

[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:** 1 **Lab contact hours:** 0

Typically offered: Fall

[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: enrollment in the program and successful completion of all prior course work therein.

This course builds upon all prior research courses in the curriculum and focuses on each student's project. Students secure Institutional Review Board approval, begin their research project, and move quickly into data collection and analysis. Important issues in research are reinforced. Students work closely with their advisor(s) during this course.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 3

Typically offered: Summer

[Projected offerings](#)

This course provides the basis for understanding human movement. This encompasses functional anatomy, forces applied to, and by, the body, and the mechanics of human movement, including its quantitative assessment. Angular and linear kinetics and kinematics are studied and applied to patient management. Interactions among the skeletal, muscular, and neural systems of the body are emphasized as they relate to understanding normal and abnormal human movement.

Credit hours: 5 **Lecture contact hours:** 4 **Lab contact hours:** 3
Typically offered: Fall

[Projected offerings](#)

PTE 713 Human Development and the Life Cycle

Prerequisite: admission to the program or permission.

This course describes the major features of embryology, maturation of the fetus, changes that occur during pregnancy, childbirth, the neonatal period, childhood, adolescence, adulthood and aging. The course stresses an integrated approach to understanding all of these periods of life as a cycle of events, each with its unique challenges to the health care professional.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Upon demand

[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.

Credit hours: 2 **Lecture contact hours:** 2 **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: Spring

[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 - IV.

PTE 761 Contemporary Issues in Professional Practice

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

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.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 3
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:** 1 **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.

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4

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.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 2

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 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. The joints of the limbs are the central themes around which the cases are built. 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.

Credit hours: 4 **Lecture contact hours:** 2 **Lab contact hours:** 6

Typically offered: Spring

[Projected offerings](#)

PTE 730 Motor Control/Motor Learning

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course builds on, and extends, the information covered in Neuroanatomy - Neuroscience. It focuses on motor control systems and on the structure and function of the major components of the brain. The content is presented so that neurological lesions are understood based on an understanding of anatomical location and function. Case studies are used to introduce clinical reasoning based on fundamental knowledge in neuroanatomy and neuroscience.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Summer

[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:** 2 **Lab contact hours:** 2

Typically offered: Summer

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 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 DPT 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

[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.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 5
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. It focuses on management of the axial skeleton and all of the joints associated therewith. Sophisticated examination and manual mobilization techniques are covered in detail.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 6
Typically offered: Summer

[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.

This course examines the importance of research, the methods used to conduct research of various types, and the models that are available for designing appropriate research projects. Quantitative and qualitative research is covered in detail, as well as the use of functional outcome measurements to improve patient care and document treatment efficiency and effectiveness.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2
Typically offered: Spring

[Projected offerings](#)

PTE 741 Pathophysiology/Differential Diagnosis II

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 DPT 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 covers theory and practical applications in managing yourself, other people, groups of people, subdivisions of organizations, and businesses. Within this framework, administration is discussed and examined as it pertains to a variety of settings in physical therapy. Health care economics is covered, as well as the economics of starting and managing a business in physical therapy. Marketing is discussed from several perspectives.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2
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.

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on Internal Medicine from the perspective of implications for physical therapists. A significant component of the course will focus on signs and symptoms, disease recognition, associated surgical procedures, and on the effects of disease with regard to producing functional limitations and disabilities. This course covers muscular, skeletal, neurological, cardiovascular, pulmonary, hematologic, gastrointestinal, renal, urological, hepatic, and endocrine diseases. Case students are incorporated to emphasize patient management. Common medical instrumentation used in skilled patient management, the basic medical procedures associated with this instrumentation, and the application of this information to patient management in physical therapy is integrated where appropriate.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 3
Typically offered: Fall
[Projected offerings](#)

PTE 743 Patient Management: Neurological I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course covers neurological disabilities that primarily affect infants, children, and adolescents. Case studies and laboratory 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. Treatment approaches include theoretical models, and task-oriented models. Therapeutic exercise, modalities, and other treatment skills are presented and included in case studies. Functional outcome measures are incorporated, as well as patient management in the home.

Credit hours: 4 **Lecture contact hours:** 2 **Lab contact hours:** 6
Typically offered: Fall
[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,

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:** 3
Typically offered: Spring
[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: 4 **Lecture contact hours:** 2 **Lab contact hours:** 6
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 and Outcome Analysis: Completion and Presentations

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is the culmination of the student's research work during the physical therapy program. Each student will present a research project to the faculty and peers for evaluation. The student's advisor and/or advisory committee will evaluate the student's research or outcome analysis paper. The paper must be written using the guidelines for publication described in the Physical Therapy Journal. The paper's quality must be similar to those that are published in the Physical Therapy Journal.

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4
Typically offered: Fall
[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.

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: Fall

[Projected offerings](#)

PTE 753 Patient Management: Neurological II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course covers neurological disabilities across the life span, but emphasizes adult neurological disabilities. Case studies and laboratory 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. Treatment approaches include theoretical models, and task-oriented models. Therapeutic exercise, modalities, and other treatment methods are presented and included in case studies. Functional outcome measures are incorporated, as well as patient management in the home.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 3

Typically offered: Spring

[Projected offerings](#)

This course follows PTE 873 that stressed the use of case-based learning modules. 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. The course will culminate with student teaching seminars that students have prepared while on Clinical Internship IV and V. These seminars are complex case studies presented to student peers and faculty.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

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

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Assistant professors

[Robert Canales, MS, PA-C](#)

[Nancy M. Dion, MS, PA-C](#)

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

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

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

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 electrocardiography 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](#)

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 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)

Graduate

[Forensic Child Psychology](#) (Certificate)

[Psychology](#) (MS)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

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[Timothy A. Bender, PhD](#)

[Russell N. Carney, PhD](#)

[Timothy K. Daugherty, PhD](#)

[Matthew N. Fanetti PhD](#)

[Donald L. Fischer, PhD](#)

[Bradley J. Fisher, PhD](#)

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[Thomas D. Kane, PhD](#)

[David J. Lutz, PhD](#)

[Arden T. Miller, PhD](#)

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[Brooke L. Whisenhunt, PhD](#)

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[Danae L. Hudson, PhD](#)

[D. Wayne Mitchell, PhD](#)

[Mary C. Newman, PhD](#)

[John S. Rosenkoetter, PhD](#)

[Ann D. Rost, PhD](#)

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Senior instructor

[Tanya L. Whipple, PsyD](#)

Instructor

[Tracie D. Burt, MS](#)

Emeritus professors

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Sylvia T. Buse, PhD

[Paul J. Companik, PhD](#)

[James O. Davis, PhD](#)

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[Harry L. Hom, Jr., PhD](#)

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[Jeanne A. Phelps, PhD](#)

B. Richard Quinn, EdD

[David W. Stockburger, PhD](#)

[Barbara S. Turpin, PhD](#)

Emeritus instructor

[Jerry L. Gray, PhD](#)

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 to PSY 354. Can only receive credit for one of the following: GER 320 or PSY 354.

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 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](#)

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.

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.

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

General Education Course (Self-Understanding/Social-Behavioral Perspective).

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 (Self-Understanding/Social-Behavioral Perspective).

An examination of how psychology enhances our understanding of human behavior; a survey of basic biological,

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.

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.

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](#)

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

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

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

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 explored 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 issues 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

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 614 Behavior Management and Change

Recommended Prerequisite: PSY 121. To investigate methods and theory for effecting desirable behavior change in schools, homes and personal lives. May be taught concurrently with PSY 508. Cannot receive credit for both PSY 508 and PSY 614.

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,

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.

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

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 to GER 320. Can only receive credit for one of the following: GER 320 or PSY 354.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

PSY 355 The Psychology of Women

Prerequisite: PSY 121.

An in-depth examination of the myths of women's nature, the predominant theories of women's psychology, and a review of the research on women's behavior.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

PSY 356 The Psychology of Men

Prerequisite: PSY 121.

A survey of the psychological development of men, including a review of the sources of gender identity and gender role identity; evaluation of the research on men and gender differences; and examination of the myth of masculinity and of the effects of feminism on men's identity and relationships.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[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

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

[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.

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.

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.

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

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

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.

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 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 102 or BMS 100 or BMS 110.

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

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

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 B.A. and B.S. 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

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:** 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 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.

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.

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.

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 Techniques of Individual Psychotherapy

Prerequisite: admission to MS in Psychology program.

An in-depth investigation of major strategies of psychotherapy and their efficacy. 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

Focus is on the differential diagnosis of behavior disorders, the appropriate use of the multi-axial approach of DSM-IV, and current 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](#)

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 Behavior Management and Change

Prerequisite: PSY 121.

To investigate methods and theory for effecting desirable behavior change in schools, homes and personal lives. 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 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 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

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 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](#)

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 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 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 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.

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](#)

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 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](#)

Gerontology

Major(s)

Gerontology (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
The following prerequisite courses will meet General Education requirements: [COM 115\(3\)](#); [PLS 101\(3\)](#); [PSY 121\(3\)](#); [BIO 102\(4\)](#) or [BMS 100\(4\)](#) or [105\(4\)](#) or [110\(4\)](#)
- 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
- C. Electives to complete 125 hours. Students are encouraged to use these hours to complete another major or minor.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 Requirements - see [General Education Program and Requirements](#) section of catalog. Note: PSY 121 may meet requirements for both the General Education Program and the Psychology major, but PSY 101 may only meet a General Education Program Requirement.
- 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.
- C. Minor Required (or second major)
- 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

Psychology (Non-Comprehensive) (BS)

Bachelor of Science

Admission requirement

Complete PSY 150(1).

Program Requirements

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog. Note: PSY 121 may meet requirements for both the General Education Program and the Psychology major, but PSY 101 may only meet a General Education Program Requirement.
- 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.
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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.

Public Health Program

Programs

Includes accelerated master's option

Graduate

[Master of Public Health](#) (MPH)

Accelerated Master of Public Health

Eligible Missouri State undergraduate majors may apply for preliminary acceptance into the Master of Public Health program after admission requirements for the accelerated master's option have been satisfied. Once accepted, a maximum of 12 hours chosen from approved 600 or 700 level courses may be counted toward both the undergraduate and graduate degrees (Mixed Credit). This option gives the undergraduate students from a variety of majors the opportunity to complete the course requirements for the Master of Public Health degree in as little as three semesters and a summer after attaining the bachelor's degree rather than the typical four to five semesters and a summer. 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.

Contact

Interim director

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Public Health Faculty

(as of July 23, 2013)

Professor

[Dalen Duitsman, HSD](#)

Assistant professors

[David M. Claborn, DrPH](#)

[Elizabeth B. Federman, ScD](#)

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

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

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](#)

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](#)

Department of Sports Medicine and Athletic Training

Programs

Undergraduate

[Athletic Training](#) (BSAT)

[Sports Medicine](#) (Minor)

Graduate

[Athletic Training](#) (MS)

Accreditation

- Commission on Accreditation of Athletic Training Education – Athletic Training (BSAT)

Contact

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Sports Medicine and Athletic Training Faculty

(as of July 23, 2013)

Associate professor

[Tona M. Hetzler, EdD](#)

[Michael B. Hudson, PhD](#)

Assistant professor

[Gary L. Ward, MS](#)

Clinical assistant professor

[Allan J. Liggett, MEd](#)

ATEP co-medical directors

Richard A. Seagrave, MD

Bernard A. Griesemer, MD

Brian J. Mahaffey, MD

Sports Medicine and Athletic Training Courses

Athletic Training (ATC) courses

ATC 220 Introduction to Athletic Training

Orientation for students considering a career in Athletic Training or related sports medicine field. Various aspects of the Athletic Training and related sports medicine professions and the Athletic Training program at Missouri State are discussed. Supplemental course fee.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall, Spring, Summer

[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 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

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 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](#)

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](#)

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 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](#)

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

ATC 324 Therapeutic Modalities

Prerequisite: BMS 308 with a "C" grade or better 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.

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

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 credit 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 612 Functional Anatomy

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 632 Manual Therapy Techniques

Detailed analysis and application of manual therapy techniques for treating musculoskeletal pathologies involving the spine and upper and lower extremities.

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](#)

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 3

Typically offered: Spring

[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 3 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: 2 **Lecture contact hours:** 2 **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

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](#)

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 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](#)

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 Education Program (ATEP) is separate from the application process for admission to the University. Students do not officially apply for admission into the ATEP until they have met all preadmission criteria (typically takes one year to complete). Admission to the ATEP is competitive and not all who apply can be accommodated. Once admitted into the ATEP, students must maintain retention criteria to remain in and process through the program.

Incoming Freshman and Current Missouri State Students

Incoming freshman and current Missouri State University students interested in applying for the Athletic Training major are required to complete the ATEP 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 requirements for consideration into the Athletic Training major. 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 Athletic Training Education 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 [ATEP 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](#) and [ATC 221](#) ("B" or better); [BMS 110](#) or [BIO 121](#) ("C" or better); and [CHM 105](#) or both [CHM 160](#) and [CHM 161](#) ("C" or better); 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](#), [CIS 101/CSC 101](#) or [CSC 111](#), [ENG 110](#), [MTH 135](#) or higher.
- C. Observational hours with a program approved allied health care professional
- D. ATEP Application - completed during spring semester of the first year experience.

Selection, Progression and Retention Requirements

- A. Selection Process for the Athletic Training major:
 - a. All applicants will be ranked using a numerical scale on the following criteria:
 - i. Cumulative high school and college GPA (4.00 point scale)
 - ii. GPA in sciences and sports medicine related coursework (4.00 point scale)
 - iii. ACT score
 - iv. Athletic training/sports medicine experience (evaluation provided by the allied health care professional supervising the required observation hours; student may also include additional experiences (i.e. high school) for review)
 - v. Strength of applicant's knowledge of AT profession and career goals reflected in narrative
 - vi. Extracurricular and leadership activities
 - vii. Strength of support from others as shown in recommendations
 - b. Students receiving the highest scores in the rating process and a positive recommendation from the selection committee will be formally admitted into the major. The total number of students admitted into the program will be determined by the number of clinical placement sites available to the program.
 - c. 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.
 - d. 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.
 - e. 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 begin allowed to begin any clinical rotations.

- f. All students are expected to provide their own transportation to clinical sites.
 - g. All students will be required to purchase student professional liability insurance.
- B. Progression and Retention Requirements:
- a. After students are selected into the Athletic Training major, retention in the program will be based on the following criteria:
 - i. Satisfactory clinical evaluation score (more details are provided on each practicum course syllabi) for each clinical assignment. Clinical performance is critiqued by the ACI's on areas involving both "Universal Traits" and "AT Skills."
 - ii. Maintain a major coursework GPA of 3.00 on all ATC courses.
 - iii. Semester GPA of 2.80 or higher and a cumulative University GPA of 2.80 or higher.
 - b. 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 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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements [BIO 121\(4\)](#) or [BMS 110\(4\)](#); [CHM 105\(5\)](#) or both [CHM 160\(4\)](#) and [CHM 161\(1\)](#); [MTH 135\(3\)](#) or higher; [PSY 121\(3\)](#)
- B. Major Requirements
 - a. Related Requirements: [BMS 240\(3\)](#), [307\(4\)](#), [308\(4\)](#), [430\(3\)](#), [450\(3\)](#), [567\(4\)](#); [PSY 200\(3\)](#)
 - b. Athletic Training Requirements: [ATC 220\(2\)](#), [221\(2\)](#), [224\(4\)](#), [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\(2\)](#)
 - c. 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:
 - i. One fall pre-season experience
 - ii. One fall season of interscholastic or intercollegiate football
 - iii. At least one (two preferred) semester assigned to University intercollegiate team experiences
 - iv. At least one (two preferred) semester at an affiliated sports medicine clinic
 - v. At least one (two preferred) semester at an affiliated high school
 - vi. Two semesters of integrated "General Medical/Sports Medicine" clinical experiences.
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- D. The ATEP 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 ATEP 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 (6-8 hours): [ATC 220\(2\)](#), [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\(2\)](#)

School of Social Work

Programs

Undergraduate

[Social Work](#) (BSW)

Graduate

[Master of Social Work](#) (MSW)

Accreditation

- Council on Social Work Education – Social Work (BSW, MSW)

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School of Social Work Faculty

(as of July 23, 2013)

Professors

[Susan Dollar, LCSW, PhD](#)

[Mary Ann Jennings, PhD](#)

[Carol L. Langer, PhD](#)

[Joan C. McClennen, PhD](#) - BSW Program Coordinator

Associate professor

[Darryl Haslam, PhD](#) - MSW Program Coordinator

Assistant professors

[Michele L. Day, PhD](#)

[Malikah Marrus, LMSW](#)

Clinical instructor

[Lisa Street, MSW, LCSW](#) - Coordinator of Field Education

Social Work Courses

Social Work (SWK) courses

SWK 205 Interviewing Skills in Generalist Social Work Practice

Prerequisite: "C" or better in SWK 212 or concurrent enrollment.

An introduction to basic interviewing skills based upon the purpose of and plan for the interview in the context of generalist social work practice. A grade of "C" or better is required for admission to the Social Work program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall

[Projected offerings](#)

SWK 212 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 Social Work program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall, Spring

[Projected offerings](#)

SWK 219 Human Diversity

Prerequisite: "C" or better in SWK 212 or concurrent enrollment.

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 Social Work program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall, Spring

[Projected offerings](#)

SWK 222 Human Behavior and the Social Environment I

Prerequisite: PSY 121; and SOC 150; and one of the following: BIO 102, BIO 121, BMS 100, BMS 105 or BMS 110; and "C" or better in SWK 212.

An introduction to the dynamics of human behavior and the effects of the social environment on the development of individuals and families. A grade of "C" or better is required for admission to the Social Work program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall

[Projected offerings](#)

SWK 300 Service Learning in Social Work

Prerequisite: 30 hours and concurrent enrollment in a social work course designated as a service learning offering (SWK 205, SWK 212, SWK 219).

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

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](#)

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 308 Social Justice

Prerequisite: "C" or better in SWK 212 or concurrent enrollment; and 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. A grade of "C" or better is required for admission to the Social Work program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

SWK 309 Social Welfare Policy and Services I

Prerequisite: "C" or better in SWK 308; and admission to the BSW program.

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 to progress in the Social Work program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

SWK 318 Methods of Social Research in Social Work Practice

Prerequisite: admission to the BSW program; 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. A grade of "C" or better is required to progress in the Social Work program.

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 322 Human Behavior and the Social Environment II

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 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

Prerequisite: admission to the BSW program.

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. A grade of "C" or better is required to progress in the Social Work program.

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 405 Social Work Practice with Individuals

Prerequisite: admission to the BSW program.

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. A grade of "C" or better is required to progress

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](#)

in the Social Work program.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

SWK 409 Social Welfare Policy and Services II

Prerequisite: admission to the BSW program.

An introduction to the analytic, interactional, value clarification and political strategies necessary for policy analysis and implementation. A grade of "C" or better is required to progress in the Social Work program.

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.

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. A grade of "C" or better is required to progress in the Social Work program.

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.

Problem assessment and practice interventions with macrosystems. Examines strategies and techniques for social work practice with organizations and communities. A grade of "C" or better is required to progress in the Social Work program.

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: "C" or better in SWK 205 and SWK 212 and SWK 219 and SWK 222 and SWK 308 and SWK 309 and SWK 318 and SWK 322 and SWK 405 and SWK 409 and SWK 420 and SWK 430; and admission to the BSW program; and concurrent

SWK 730 Perspectives in Human Diversity and Societal Systems

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 741 Family Health and Family Violence

Enhances students' understanding of the theories, policies, practices, and interventions related to family violence.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[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

enrollment in SWK 490.

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. Failure to earn a "C" or better in this course will require students to request readmission from the BSW Program Coordinator.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring
[Projected offerings](#)

SWK 490 Practicum in Social Work

Prerequisite: "C" or better in SWK 205 and SWK 212 and SWK 219 and SWK 222 and SWK 308 and SWK 309 and SWK 318 and SWK 322 and SWK 405 and SWK 409 and SWK 420 and SWK 430; and admission to the BSW program; and concurrent enrollment in SWK 480.

An educationally directed social work practice experience with individuals, groups, families, communities and organizations in a social service agency. Students are required to work a minimum of 450 hours. Failure to pass this course will result in failure to pass SWK 480. Failure to earn a "Pass" grade in this course will require students to request readmission from the BSW Program Coordinator. Supplemental course fee. Graded Pass/Not Pass only.

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](#)

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](#)

Social Work

Major(s)

Social Work (Comprehensive)

Bachelor of Social Work

Eligibility to apply

Students are eligible to apply for admission into the BSW program when the following conditions are met:

1. 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
2. Completion of the Basic Required Courses for General Education except Writing II
3. Completion of [SWK 205](#), [212](#), [219](#), [222](#), and [308](#), with a minimum grade of "C". Special consideration for admission to the BSW program will be given for those students who have completed [SWK 300](#), Citizenship and Service Learning (CASL), which is a one-hour course attached to one of three courses: (a) [SWK 212](#), Introduction to Social Work; (b) [SWK 219](#), Human Diversity; or (c) [SWK 205](#), Interviewing Skills in Generalist Social Work Practice. A 40-hour volunteer/work experience in a human service agency within three years prior to application for admission can be substituted for this CASL experience with permission of the BSW Program Coordinator.

Admission to the Bachelor of Social Work program

Students, who are planning to pursue a BSW degree, must declare a major in the social work program within the University.

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 thereafter to ensure the proper selection and sequencing of prerequisites for the BSW program.

Every student seeking admission to the Bachelor of Social Work (BSW) program must submit a formal application, with accompanying forms, to the School of Social Work office, in accordance with the due date that semester. Directions for completing the packets will be included within the application packet.

Applications for admission to the program will be available once a semester. For fall admission, packets can be picked up early in the spring semester. For spring admission, packets can be picked up early in the fall semester. Refer to the application packet for specific due dates.

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 decision to admit a student to the BSW program will be based on the 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.

Degree requirements

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 9-hour practicum and 3-hour seminar); 20-28 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 are encouraged to contact the coordinator of the Social Work program with any questions or concerns. Accepted students are expected to consult with their advisor, at least, once every semester.

This program is accredited by the Council on Social Work Education. Additional information regarding the Social Work program may be found in the *BSW Student Handbook* available from the School of Social Work.

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 102](#)(4) or [BIO 121](#)(4) or [BMS 100](#)(4) or [105](#)(4) or [110](#)(4); [ECO 155](#)(3) or [165](#)(3); [PLS 101](#)(3); [PSY 121](#)(3); [SOC 150](#)(3)
- B. Major Requirements
 1. [SWK 205](#)(3), [212](#)(3), [219](#)(3), [222](#)(3), [308](#)(3), [309](#)(3), [318](#)(3), [322](#)(3), [405](#)(3), [409](#)(3), [420](#)(3), [430](#)(3), [480](#)(3), [490](#)(9) and two SWK electives (6 hours).
 2. [PSY 304](#)(3); [PSY 200](#)(3) or [SOC 302](#)(3) or [AGR 330](#)(3) or [MTH 340](#)(3) or [QBA 237](#)(3) or [REC 328](#)(3)
- C. Grade Point Average: all students admitted to the Social Work program must attain a Missouri State combined GPA of 2.50 or higher at the time of graduation.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Retention, progression, and graduation policies

After admission into the BSW program, students must achieve the following for retention in the major.

1. Maintain a University combined GPA of 2.50 or higher.
2. Achieve a grade of "C" or better in all social work courses, which are courses with "SWK" prefix.

3. Failing a social work (SWK) course will result in the inability to progress in the program. If a student is formally accepted in the program and fails a course, s/he will be dismissed 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. A grade below a "C" in SWK 480 and/or a "Not Pass" grade in SWK 490 means the student must reapply for admission and be readmitted to the program.
6. Students must demonstrate acceptable levels of maturity, integrity, behaviors and attitudes as defined by the National Association of Social Work (NASW).

Students who fail to meet the retention criteria may be: (a) placed on academic probation in the social work major, or (b) dismissed from the social work program. Students on academic probation must achieve a grade of "B" or higher in the next 9 hours of course work in social work courses attempted. Students receiving less than a "C" in an "SWK" course must follow the above criteria (see # 2 - #5 above).

College of Humanities and Public Affairs

Programs

Includes accelerated master's option

Undergraduate

[African American Studies](#) (Minor)

[Anthropology](#) (BA, BS, Minor)

[Asian Studies](#) (Minor)

[Criminology](#) (BA, BS, Minor)

[Economics](#) (BA, BS, Minor)

[Ethics and Social Policy](#) (Minor)

[Gender Studies](#) (Minor)

[History](#) (BA, Minor)

[History Education](#) (BSEd)

[International Relations](#) (Minor)

[Latin American Studies](#) (Minor)

[Law and Society, The](#) (Minor)

[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)

[Criminology and Criminal Justice](#) (MS)

[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)

[Religious Studies for the Professions](#) (Certificate)

[Secondary Education with options in History and Social Sciences](#) (MSEd)

Courses are offered toward the options in Criminal Justice and in Homeland Security within the [Administrative Studies](#) program (MS)

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 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.

Contact

Dean

[Victor H. Matthews, PhD](#)

Associate dean

[Pamela R. Sailors, PhD](#)

Office

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417-836-8472

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.

Email

chpa@missouristate.edu

Website

www.missouristate.edu/chpa/

Area Studies Programs

Programs

Includes accelerated master's option

Undergraduate

[African American Studies](#) (Minor)

[Asian Studies](#) (Minor)

[Gender Studies](#) (Minor)

[Latin American 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.

The following programs are offered: African American Studies, Asian Studies, Gender Studies, Latin American Studies, Law and Society, Middle Eastern Studies, Native American Studies, and Ozarks Studies. Courses are offered in African American Studies (AAS), Gender Studies (GST), and Ozarks Studies (OZK).

Contact

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Area Studies Programs Courses

African American Studies (AAS) courses

AAS 100 Introduction to African American Studies

General Education Course (Culture and Society/Humanities Perspective).

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](#)

Gender Studies (GST) courses

GST 170 Sex, Gender, and Self

General Education Course (Self-Understanding/Social-Behavioral Perspective).

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. We 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. We 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](#)

African American Studies

Minor(s)

African American Studies

Bachelor of Arts

Bachelor of Science

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the African American Studies Committee for inclusion in the minor. The administrator of the program must approve the course of study for each student who wishes to complete an African American Studies 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 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)
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); [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 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 Arts

Bachelor of Science

Administration of the program

Courses must be approved by the faculty of the Asian Studies Committee for inclusion in the minor. The administrator of the program must approve the course of study for each student who wishes to complete an Asian Studies Minor.

- A. Six hours of an Asian language, the University currently offers Chinese ([CHI 101](#), [102](#), [201](#), [202](#)) and Japanese ([JPN 101](#), [102](#), [201](#), [202](#))
- B. Complete 12 hours from the following areas, with no more than six hours from any one category:
 1. [HST 380](#)(3), [381](#)(3), [571](#)(3)
 2. [REL 355](#)(3), [357](#)(3), [360](#)(3)
 3. [ART 274](#)(3), [ART 374](#)(3); [ENG 362](#)(3)*; [LLT 215](#)(3); [PHI 314](#)(3)
 4. [ECO 345](#)(3); [GRY 305](#)(3)*; [PLS 545](#)(3)

*when applicable

Gender Studies

Minor(s)

Gender Studies

Bachelor of 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 Gender Studies Committee for inclusion in the minor. The administrator of the program must approve the course of study for each student who wishes to complete a Gender Studies 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 355](#)(3) or [PSY 356](#)(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 380](#)(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); [NUR 327](#)(3); [KIN 402](#)(3), [KIN 405](#)(3); [PSY 307](#)(3), [PSY 355](#)(3), [PSY 356](#)(3); [SWK 320](#)(3)
- C. Attain a minimum GPA of 2.50 in all courses counted toward the minor.

Latin American Studies

Minor(s)

Latin American Studies

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the Latin American Studies Committee for inclusion in the minor. The administrator must approve the course of study for each student who wishes to complete the Latin American Studies minor.

The Latin American Studies program provides a minor course of study that offers the opportunity to study the Latin American nations from an interdisciplinary perspective, which emphasizes critical approaches to the study of history, political systems, social structures, economic development, and literary and artistic expression of the region. In addition, the increasing importance of the Hispanic migration into the United States makes this program very relevant to modern American culture and political institutions. Students who earn this minor will be better prepared for careers in international business, public service, human resources, and graduate studies in history, political science, and public administration.

A student cannot take more than six hours in a particular discipline to complete the minor; exceptions must have permission of the Administrator.

- 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 three of the following areas, and no more than six hours from any one category:
 1. Historical Studies: [HST 350](#)(3), [397](#)(3)*, [587](#)(3), [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 496](#)(3)*, [ART 598](#)(3)*; [REL 397](#)(3)*; [SOC 336](#)(3)
 4. Language and Literature: [ENG 354](#)(3)*, [ENG 362](#)(3)*; [LLT 197](#)(3)*, [LLT 296](#)(3)*; [PTG 297](#)(3)*; [SPN 297](#)(3)*, [SPN 320](#)(3), [SPN 325](#)(3), [SPN 326](#)(3), [SPN 415](#)(3)

*when applicable – A student can petition to apply a variable content/special topic course to the minor, upon approval of the Administrator a maximum of three hours 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 Administrator must approve the course of study for each student who wishes to complete the Law and Society 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 [PLS 451\(3\)](#) or [PSY 320\(3\)](#)

Middle Eastern Studies

Minor(s)

Middle Eastern Studies

Bachelor of Arts

Bachelor of Science

Administration of the program

Courses must be approved by the faculty of the Middle Eastern Studies Committee for inclusion in the minor. The administrator of the program must approve the course of study for each student who wishes to complete a Middle Eastern Studies 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, the College of Humanities and Public Affairs has created a minor in Middle Eastern Studies. Students who earn this minor 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. [HST 370\(3\)](#) and [HST 371\(3\)](#); or [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 Arts

Bachelor of Fine Arts

Bachelor of Science

Administration of the program

Courses must be approved by the faculty of the Native American Studies Committee for inclusion in the minor. The administrator of the program must approve the course of study for each student who wishes to complete a Native American Studies 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 Arts

Bachelor of Fine Arts

Bachelor of Science

Administration of the program

Elective courses must be approved by the faculty of the Ozarks Studies Committee for inclusion in the minor. The Administrator of the program must approve the course of study for each student who wishes to complete an Ozarks Studies 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 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

Includes accelerated master's option

Undergraduate

[Criminology](#) (BA, BS, Minor)

Graduate

[Criminology and Criminal Justice](#) (MS)

Courses are offered toward the options in Criminal Justice and in Homeland Security within the [Administrative Studies](#) program (MS)

Courses are offered toward the certificate in [Homeland Security and Defense](#)

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. Our undergraduate criminology program focuses on finding solutions to problems and issues in criminal justice, while our graduate program provides you with the tools for evaluating criminal justice initiatives. Overall, our programs strive to create a healthy balance between academic analysis and technical education needed for a successful career in the field.

Contact

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Criminology and Criminal Justice Faculty

(as of July 23, 2013)

Professor

[Bernard J. McCarthy, PhD](#)

Associate professors

[Brett E. Garland, PhD](#)

[Patrick R. Gartin, PhD](#)

[Aida Y. Hass, PhD](#)

[Patti J. Ross Salinas, PhD](#)

Senior instructors

[Ivy Yarckow-Brown, MS](#)

[Diane M. Leamy, MS](#)

Instructors

[Jill Patterson, JD](#)

[Michael Ramon, MS](#)

[Paula K. Rector, MS](#)

Emeritus professors

[Michael K. Carlie, PhD](#)

[Melodye G. Lehnerer, PhD](#)

Criminology and Criminal Justice Courses

Criminology (CRM) courses

CRM 210 Introduction to the American Criminal Justice System

An overview of the American criminal justice system, its functions, problems and potential solutions. This course is a prerequisite for upper division criminology and criminal justice courses.

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

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

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 Crime and the Media

A sociologically-based exploration of the relationship between various forms of mass media as they impact public attitudes and social policies regarding crime and the justice system. Solutions to problems created by the media are also discussed.

Credit hours: 1 **Lecture contact hours:** 1 **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 304 Sex Crimes

This course highlights sex offenses, sex offenders, victims of sex offenses and a variety of responses to sexual offending patterns. Definition of different sex crimes will be discussed, along with an examination of the violence involved and policies geared towards these types of offenses. Methods of working with sex offenders in rehabilitative efforts are also discussed.

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 expose students to patterns of criminal behavior within the context of justice, law and society.

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 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

Students will identify and analyze the nature of the offense, the manner in which it was committed, along with various aspects of the criminal's background, behavior, and motive during and after the crime.

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 the 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 311 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: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

institutions including government, media, law enforcement, the courts, and corrections. May be repeated for a total of 6 credit 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.

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. May be repeated for a total of 6 credit 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 Justice Administration

Prerequisite: admission to the MS in Criminology and Criminal

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 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 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 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 345 Quantitative Analysis for Criminology and

Justice or MS in Administrative Studies with the Criminal Justice option.

This course analyzes the criminal justice system in the United States emphasizing the role of criminal law, police, courts, and corrections as parts of the societal response to crime.

Significant attention is given to contemporary issues facing each component of the system and implications for agency administration. A critical literature review paper is required for this course.

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 MS in Administrative Studies 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 MS in Administrative Studies 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

Criminal Justice

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.

This course is designed to introduce students to basic principles of probability theory, data analysis and data interpretation. Using SPSS, students will engage in basic data analysis, including descriptive and inferential statistics. Emphasis will be placed on how to use, interpret and understand some of the basic techniques used by practitioners.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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 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 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

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 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. In this course we 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

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 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 Crime, Class, Race, and Justice

Prerequisite: CRM 210 and CRM 320.

A sociological examination of race and class issues in crime, victimization, the origins of law, and the operation of the American criminal justice system. Implications for social policy are explored.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: 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 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](#)

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 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 MS in Administrative Studies 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.

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](#)

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](#)

Criminology

Major(s)

Criminology (Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (45 hours)
 - a. 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.
 - b. Required Upper Division Core (24 hours): [CRM 320\(3\)](#), [330\(3\)](#), [340\(3\)](#), [345\(3\)](#), [365\(3\)](#), [380\(3\)](#), [598\(3\)](#); and either [CRM 355\(3\)](#) or [375\(3\)](#).
 - c. Complete 9 additional hours in CRM courses numbered 300 and above.
 - d. Can take either CRM 355 or 375 for elective credit if not taken as a required course.
 - e. Can take multiple 1 credit hour CRM courses at the 300 level to partially satisfy the 9 credit hours of elective courses requirement.
 - f. Can take 3 credits of [CRM 490](#) to partially satisfy the 9 credit hours of elective courses requirement. Additional CRM 490 credits may be taken, but cannot be counted towards the upper division CRM electives requirement.
- C. Specific Requirements for Bachelor of Arts Degree - see [Specific Bachelor of Arts Degree Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Criminology (Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (45 hours)
 - a. 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.
 - b. Required Upper Division Core (24 hours): [CRM 320\(3\)](#), [330\(3\)](#), [340\(3\)](#), [345\(3\)](#), [365\(3\)](#), [380\(3\)](#), [598\(3\)](#); and either [CRM 355\(3\)](#) or [375\(3\)](#).
 - c. Complete 9 additional hours in CRM courses numbered 300 and above.
 - d. Can take either CRM 355 or 375 for elective credit if not taken as a required course.
 - e. Can take multiple 1 credit hour CRM courses at the 300 level to partially satisfy the 9 credit hours of elective courses requirement.
 - f. Can take 3 credits of [CRM 490](#) to partially satisfy the 9 credit hours of elective courses requirement. Additional CRM 490 credits may be taken, but cannot be counted towards the upper division CRM electives requirement.
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 master's degree in criminology and criminal justice

Eligible Missouri State undergraduate majors in Criminology may apply for preliminary acceptance into the Criminology and Criminal Justice program after admission requirements for the accelerated master's option have been satisfied. This option allows a student to take up to 12 hours of graduate credit counting toward both the requirements for the undergraduate and graduate degrees (Mixed Credit). However, only six of these hours may count as electives in the criminology undergraduate program, with

the remaining six hours counting as free electives toward the 125 credit hours required for the undergraduate degree.

If accepted, it is possible for a student to earn the MS in Criminology and Criminal Justice by taking an additional two semesters and one summer beyond the completion of the bachelor's degree, accumulating 143 total credit hours as opposed to the 155 required for students not in the accelerated program, assuming the student selects the thesis option. If the student elects the non-thesis option, they must complete at least 149 total hours as opposed to the 161 required for students not in the accelerated program. 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 Defense and Strategic Studies

Programs

Includes accelerated master's option

Graduate

[Defense and Strategic Studies](#) (MS)

[Defense and Strategic Studies](#) (Certificate)

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

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Defense and Strategic Studies Faculty

(as of July 23, 2013)

Professors

[Robert G. Joseph, PhD](#)

[Keith B. Payne, PhD](#)

Defense and Strategic Studies Courses

Defense and Strategic Studies (DSS) courses

DSS 501 Seminar on Nuclear Strategy and Arms Control

Prerequisite: permission of instructor.

This seminar examines contemporary U.S. and Soviet/Russian strategic nuclear arms and arms control policies and their interaction. The seminar will review the U.S.-Soviet nuclear relationship and extend this to an examination of post-USSR Russian and American nuclear strategy 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. Cannot receive credit for both DSS 501 and DSS 601.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

DSS 502 Seminar on International Security Affairs

Prerequisite: permission of instructor.

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. May be taught concurrently with DSS 632. Cannot receive credit for both DSS 502 and DSS 632.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

DSS 503 Analysis of International Security Politics

Prerequisite: permission of instructor.

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. May be taught concurrently with DSS 633. Cannot receive credit for both DSS 503 and DSS 633.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

DSS 504 The Geopolitics of Conflict and Accommodation

Prerequisite: permission of instructor.

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. May be taught concurrently with DSS 634. Cannot receive credit for both DSS 504 and DSS 634.

DSS 712 American National Security Policy

Prerequisite: permission of instructor.

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

Prerequisite: permission of instructor.

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: Upon demand

[Projected offerings](#)

DSS 714 Seminar on Strategic Thought

Prerequisite: permission of instructor.

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, and Colin S. Gray. 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

Prerequisite: permission of instructor.

This seminar examines the role of grand strategy in international security. Emphasis is placed on the nature and

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

DSS 601 Seminar on Nuclear Strategy and Arms Control

Prerequisite: permission of instructor.

This seminar examines contemporary U.S. and Soviet/Russian strategic nuclear arms and arms control policies and their interaction. The seminar will review the U.S.-Soviet nuclear relationship and extend this to an examination of post-USSR Russian and American nuclear strategy 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. May be taught concurrently with DSS 601. Cannot receive credit for both DSS 601 and DSS 501.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

DSS 630 International Law and Global Security

Prerequisite: permission of instructor.

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: Upon demand

[Projected offerings](#)

DSS 631 International Negotiations

Prerequisite: permission of instructor.

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

Prerequisite: permission of instructor.

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, particularly China

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

Prerequisite: permission of instructor.

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: Upon demand

[Projected offerings](#)

DSS 717 Small Wars, Imperial Conflicts, and Guerrilla Warfare

Prerequisite: permission of instructor.

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

Prerequisite: permission of instructor.

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

Prerequisite: permission of instructor.

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

and Russia. Supplemental Course Fee. May be taught concurrently with DSS 502. Cannot receive credit for both DSS 632 and DSS 502.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall, Spring
[Projected offerings](#)

DSS 633 Analysis of International Security Politics

Prerequisite: permission of instructor.

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. May be taught concurrently with DSS 503. Cannot receive credit for both DSS 633 and DSS 503.

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

Prerequisite: permission of instructor.

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. May be taught concurrently with DSS 504. Cannot receive credit for both DSS 634 and DSS 504.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall
[Projected offerings](#)

DSS 700 Strategy and U.S. Defense Policy

Prerequisite: permission of instructor.

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 Soviet/Russian strategic concepts, policies, and objectives are covered. The U.S.-USSR strategic balance and relationships, 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

Prerequisite: permission of instructor.

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](#)

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: Upon demand
[Projected offerings](#)

DSS 720 Internship Training in DSS Policy

Prerequisite: permission of department head 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 for credit to a maximum of 6 credit hours toward degree. Supplemental course fee.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Upon demand
[Projected offerings](#)

DSS 721 Missile Defense, Proliferation and Contemporary Warfare

Prerequisite: permission of instructor.

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: Upon demand
[Projected offerings](#)

DSS 722 Emerging Strategic Challenges

Prerequisite: permission of instructor.

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: Upon demand
[Projected offerings](#)

DSS 703 Science, Technology, and Defense Policy

Prerequisite: permission of instructor.

This course, which will be taught jointly with a qualified physical scientist, 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: Upon demand

[Projected offerings](#)

DSS 704 Arms Control: Theory and Practice

Prerequisite: permission of instructor.

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 Soviet 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: Upon demand

[Projected offerings](#)

DSS 705 NATO Security Issues

Prerequisite: permission of instructor.

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: Upon demand

[Projected offerings](#)

DSS 706 Russian Military Strategy

Prerequisite: permission of instructor.

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: Fall, Spring

[Projected offerings](#)

DSS 707 Seminar on Congress, National Security, and**DSS 723 Counterproliferation**

Prerequisite: permission of instructor.

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

Prerequisite: permission of instructor.

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: Upon demand

[Projected offerings](#)

DSS 725 Seminar on Instruments of State Power

Prerequisite: permission of instructor.

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: Upon demand

[Projected offerings](#)

DSS 726 Chinese Military Power

Prerequisite: permission of instructor.

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.

Weapons of Mass Destruction

Prerequisite: permission of instructor.

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: Upon demand

[Projected offerings](#)

DSS 708 Seminar on Contemporary Security Issues in Russia

Prerequisite: permission of instructor.

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 and Information Warfare

Prerequisite: permission of instructor.

This seminar will explore the role that space and information warfare play in the national security policies and programs, and military doctrines, of the United States and other great powers. The seminar will be divided into three parts. Part one will focus on the role of space in national security, including background on U.S. and Soviet/Russian space programs, the nature of space technologies and systems, the environment of space as a theater of military operations, the impact of international law and treaties on space warfare, the development of space threats to the United States and its allies, the historical and future role of space assets in terrestrial warfare, and the nexus between civilian and military space programs. Part two will examine the burgeoning field of information warfare by seeking to define and understand what is meant by the concept, what benefits and risks it offers to American national security, in what ways the pursuit of I-War capabilities is shaping the development of American military doctrine and force structure, and how and to what extent I-War capabilities are replacements for more traditional military capabilities such as conventional and nuclear forces. Part three will then examine the relationship between space warfare and information warfare, including how the two are conceptually supportive and how civilian and military applications of information and space technology will be increasingly blurred in the future. 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

Prerequisite: permission of instructor.

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

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

Prerequisite: permission of instructor.

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: Spring

[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: Spring

[Projected offerings](#)

DSS 737 Advanced Studies in Chemical and Biological Warfare

Prerequisite: permission of instructor.

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: Spring

[Projected offerings](#)

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

Prerequisite: permission of instructor.

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 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 M.S. research requirement. May be repeated for credit to a maximum of 9 credit hours toward degree. Supplemental course fee.

Credit hours: 1-9 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

DSS 797 Special Topics

Prerequisite: permission of instructor and department head.

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: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

DSS 798 Seminar on Contemporary Defense Issues

Prerequisite: permission of instructor.

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) and permission of department head.

Independent research and study connected with preparation of thesis. Supplemental course fee.

Credit hours: 1-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

Department of Economics

Programs

Includes accelerated master's option

Undergraduate

[Economics](#) (BA, BS, Minor)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Contact

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Economics Faculty

(as of July 23, 2013)

Professors

[Ardeshir J. Dalal, PhD](#)

[Terrel A. Gallaway, PhD](#)

[Mahua Barari Mitra, PhD](#)

[Reed N. Olsen, PhD](#)

Associate professors

[David M. Mitchell, PhD](#)

[Sharmistha Self, PhD](#)

Assistant professor

[Charles P. Scott, PhD](#)

Senior instructor

[Julie H. Gallaway, PhD](#)

[Per Norander, MS](#)

Instructors

[Scott E. Bloom, MA](#)

Emeritus professors

Joe A. Bell, PhD

[Larry G. Cox, MA](#)

[John Hoftyzer, PhD](#)

R. Brad Hoppes, PhD

[Doris Sheets, PhD](#)

Allan D. Stone, PhD

Elizabeth E. Topping, PhD

E. Dale Wasson, PhD

[Thomas L. Wyrick, PhD](#)

Economics Courses

Economics (ECO) courses

ECO 101 Economics of Social 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 (Culture and Society/Social Sciences Perspective).

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

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

A variable content 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. The course can be repeated to a maximum of 6 credit 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

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 711. Cannot receive credit for both ECO 711 and ECO 508.

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.

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 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](#)

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 790.

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

Students cannot receive credit for both ECO 590 and ECO 790.

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. Students 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 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.

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. 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](#)

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. Students cannot receive credit for both ECO 409 and ECO 609. Supplemental course fee.

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.

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 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 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

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.

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](#)

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 711 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 711.

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. May be taught concurrently with PLS 721. Students may not 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](#)

ECO 790 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. Students cannot receive credit for both ECO 790 and ECO 590.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

Economics

Major(s)

Economics (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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
- C. Minor Required (or second major)
- 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

Economics (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Economics (Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 - a. [ECO 155](#)(3), [165](#)(3), [365](#)(3), [385](#)(3), [409](#)(3), [590](#)(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. Minimum of 15 additional credit hours in Economics
 - d. Minimum of 18 hours in satisfaction of Plan A or B:
 - Plan A: Concentration of at least 18 hours in any discipline in which a major is offered
 - Plan B: Concentration of at least nine hours in each of two disciplines in which a major is offered
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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. Minor must include [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

Includes accelerated master's option

Undergraduate

[History](#) (BA, Minor)

[History Education](#) (BSEd)

Graduate

[History](#) (MA)

[Secondary Education with options in History and Social Sciences](#) (MSEd)

[History for Teachers](#) (Certificate)

Accreditation

- Missouri Department of Elementary and Secondary Education – History (BSEd), Secondary Education/History (MSEd), and Secondary Education/Social Sciences (MSEd)
- National Council for Accreditation of Teacher Education – History (BSEd), Secondary Education/History (MSEd), and Secondary Education/Social Sciences (MSEd)
- National Council for Social Studies – History (BSEd)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Contact

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History Faculty

(as of July 23, 2013)

Professors

[Jamaine M. Abidogun, PhD](#)

[Holly A. Baggett, PhD](#)

[Brooks R. Blevins, PhD](#)

[John F. Chuchiak IV, PhD](#)

[Marc Cooper, PhD](#)

[Thomas S. Dicke, PhD](#)

[David W. Gutzke, PhD](#)

[Kathleen A. Kennedy, PhD](#)

[Andrew W. Lewis, PhD](#)

[Stephen L. McIntyre, PhD](#)

[F. Thornton Miller, PhD](#)

[Eric W. Nelson, PhD](#)

[William G. Piston, PhD](#)

[Bethany J. Walker, PhD](#)

Associate professors

[Bela Bodo, PhD](#)

[Angela Hornsby-Gutting, PhD](#)

Assistant professors

[Marlin C. Barber, PhD](#)

[Marcia Butler, PhD](#)

[Michelle J. Morgan, PhD](#)

Distinguished emeritus professor

[Dominic J. Capeci, Jr. PhD](#)

Emeritus professors

[David B. Adams, PhD](#)

[Meredith Adams, PhD](#)

[Wayne C. Bartee, PhD](#)

[Robert Flanders, PhD](#)

[James N. Giglio, PhD](#)

[William E. Hammond, PhD](#)

[Duane G. Meyer, PhD](#)

[Worth R. Miller, PhD](#)

[Michael M. Sheng, PhD](#)

History Courses

History (HST) courses

HST 103 World History to Circa 1600 C.E.

General Education Course (Culture and Society/Humanities Perspective).

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 (Culture and Society/Humanities Perspective).

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 (Public Affairs/American Studies).

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 (Public Affairs/American Studies).

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

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

[Projected offerings](#)

HST 210 Writing II: Historical Inquiry

Prerequisite: ENG 110 and 30 hours.

General Education Course (Basic Required Courses). 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 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

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 Hst/Archlgy 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 Fieldschool 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.

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 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 340 Business and Society, U.S., Britain, and Japan

Recommended Prerequisite: HST 122. This class examines the process of industrialization and the development of the firm across three cultures. It looks at business and its relationship with society as each country moved from a traditional culture to a modern industrial society.

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

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

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:** 3 **Lab contact hours:** 0

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.

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. May be repeated for credit but only 3 hours may be counted towards the B.A., B.S.Ed., or M.A. major in History. One credit hour for each 40 hours of service. May be taught concurrently with HST 698. Cannot receive credit for both HST 698 and HST 599.

Credit hours: 1-3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

HST 609 Indian History

[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 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, we 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.

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 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

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 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.

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](#)

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 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

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 a 30 hour practicum assigned at Greenwood or Springfield area secondary school is required. Checkpoint 2 completion is required during this course. A grade of "C" or better is required to take HST 420 or HST 421. May not be taken Pass/Not Pass.

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

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](#)

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.

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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 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 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 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.

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 Fieldschool 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

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.

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. May be repeated for credit but only 3 hours may be counted towards the MA major in History. One credit hour for each 40 hours of service. 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 Seminar in Ancient History

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](#)

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

HST 720 Proseminar in American History

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

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 Seminar in American History

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 Proseminar in European History

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 Seminar in European History

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 Proseminar in Latin American History

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 Proseminar in Ancient Near East History

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 Proseminar in the Middle East

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,

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.

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 Seminar in World History

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: The Use and Understanding of Sources

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: The Use and Understanding of Sources

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: The Use and Understanding of Sources

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: The Use and Understanding of Sources

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 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](#)

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: The Use and Understanding of Sources

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 Proseminar in World History

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 Primary Source Proseminar in World History

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](#)

History

Major(s)

History (Non-Comprehensive)

Bachelor of Arts

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

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), [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 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 315](#)(3), [323](#)(3), [324](#)(3), [329](#)(3), [330](#)(3), [331](#)(3), [332](#)(3), [335](#)(3), [340](#)(3), [343](#)(3), [344](#)(3), [350](#)(3), [353](#)(3), [355](#)(3), [356](#)(3), [360](#)(3), [361](#)(3), [370](#)(3), [371](#)(3), [375](#)(3), [380](#)(3), [381](#)(3), [383](#)(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), [566](#)(3), [571](#)(3), [573](#)(3), [574](#)(3), [587](#)(3), [588](#)(3)

6. Of courses in numbered items 2, 3, 4, and 5 above:

- a. At least two must be pre-modern history courses: [HST 315](#)(3), [323](#)(3), [324](#)(3), [330](#)(3), [331](#)(3), [335](#)(3), [340](#)(3), [343](#)(3), [344](#)(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 315](#)(3), [323](#)(3), [324](#)(3), [329](#)(3), [330](#)(3), [331](#)(3), [332](#)(3), [335](#)(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. Minor Required (or second major)

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

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\(3\)](#), [104\(3\)](#), [121\(3\)](#), [122\(3\)](#)
- B. Select one survey course in African, Asian, Latin American or Middle East civilization: [HST 335\(3\)](#), [350\(3\)](#), [370\(3\)](#), [371\(3\)](#), [380\(3\)](#), [381\(3\)](#)
- C. Select one course in U.S. History: [HST 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\(3\)](#)
- D. Select one course in European History: [HST 340\(3\)](#), [343\(3\)](#), [353\(3\)](#), [355\(3\)](#), [356\(3\)](#), [360\(3\)](#), [361\(3\)](#), [541\(3\)](#), [542\(3\)](#), [543\(3\)](#), [545\(3\)](#), [548\(3\)](#), [549\(3\)](#), [551\(3\)](#), [553\(3\)](#), [559\(3\)](#), [562\(3\)](#), [563\(3\)](#), [564\(3\)](#), [566\(3\)](#)
- E. Select three hours of upper division electives in history
- F. In addition, the student must also complete [PLS 101\(3\)](#), [ECO 155\(3\)](#); [GRY 100\(3\)](#); and [SOC 150\(3\)](#)

Accelerated master's degree in history

Eligible history majors may apply for preliminary acceptance into the History program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 9 hours of graduate-level history courses that apply to both their undergraduate and graduate programs (Mixed Credit). Once accepted, students can take HST 701 Historiography which will count toward both degrees and will meet the HST 390 Historiography requirement for a history major. This option gives eligible undergraduate students the opportunity to complete their bachelor's and master's degrees in five years (ten semester and a summer). 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.

History Education

Major(s)

History

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (56 hours):
- [HST 103](#)(3), [104](#)(3), [121](#)(3), [122](#)(3), [390](#)(3)
 - Select six hours of survey courses in African, Asian, Latin American and Middle East civilization: [HST 323](#)(3), [335](#)(3), [350](#)(3), [370](#)(3), [371](#)(3), [380](#)(3), [381](#)(3)
 - Select six hours of U.S. History: [HST 315](#)(3), [324](#)(3), [328](#)(3), [329](#)(3), [330](#)(3), [331](#)(3), [332](#)(3), [337](#)(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), [527](#)(3), [528](#)(3), [531](#)(3), [536](#)(3), [537](#)(3), [538](#)(3), and variable topics courses when they cover U.S. History
 - Select six hours of Ancient and European history: [HST 340](#)(3), [343](#)(3), [344](#)(3), [353](#)(3), [355](#)(3), [360](#)(3), [361](#)(3), [541](#)(3), [542](#)(3), [545](#)(3), [548](#)(3), [549](#)(3), [551](#)(3), [553](#)(3), [559](#)(3), [566](#)(3), and variable topics courses in the relevant field
 - 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)
 - Three additional hours selected from ANT, ECO, GRY, PLS, PSY, and SOC (may not use [PSY 380](#), [385](#), or [390](#))
- C. Professional Education Courses:
- [HST 418](#)(4), [422](#)(6-10), [423](#)(2)
 - Satisfy History program requirement of a minimum GPA of 3.00 in the Social Sciences as a part of admission to teacher education and approval for supervised teaching
 - Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. 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
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- F. 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- G. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Accelerated master's degree in history

Eligible history majors may apply for preliminary acceptance into the History program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 9 hours of graduate-level history courses that apply to both their undergraduate and graduate programs (Mixed Credit). Once accepted, students can take HST 701 Historiography which will count toward both degrees and will meet the HST 390 Historiography requirement for a history major. This option gives eligible undergraduate students the opportunity to complete their bachelor's and master's degrees in five years (ten semester and a summer). 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.

Accelerated master's degree in secondary education/history

Eligible undergraduate BSEd majors in History may apply for early admission to the Secondary Education/History program. Once accepted for early admission, students will be able to take up to six hours of history courses at the 600-level that apply to both their undergraduate and graduate programs (Mixed Credit). Students must completed their BSEd History program and receive Missouri state teacher certification in Social Sciences (9-12) to continue in the MEd Secondary Education/History program beyond the six hours earned through the accelerated master's program option. 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 Military Science

Programs

Includes accelerated master's option

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 Basic Course 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 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

Contact

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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](#).

Leader's Training Course (LTC)

This course is ideal for incoming juniors, first-year masters 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 LTC 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 LTC 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 LTC performance. As of 2010, all students who successfully complete LTC and contract into the ROTC Advanced Course receive a \$5,000 signing bonus. Students can also receive 5 credit hours for attending LTC (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

(as of July 23, 2013)

Professor

[LTC Troy S. Wisdom](#)

Assistant professors

[CPT Ray Emerit](#)

[CPT Gary Fleck](#)

Senior military instructor

[MSG Joshua Wilson](#)

Instructors

[Phillip Roberson](#)

[Doug Schenck](#)

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: permission.

Introduction to techniques of survival in various situations and climates, and pistol marksmanship.

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

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. This course may not 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. This course may not 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. This course may not be taken Pass/Not Pass.

navigation and communication.

Credit hours: 2-5 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Summer

[Projected offerings](#)

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. This course may not 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. This course may not be taken Pass/Not Pass.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[Projected offerings](#)

Military Science

Minor(s)

Military Science

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education

(Non-Certifiable)

[MIL 301](#)(3), [302](#)(3), [411](#)(3), [412](#)(3); [HST 315](#)(3)

Department of Philosophy

Programs

Includes accelerated master's option

Undergraduate

[Philosophy](#) (BA, BS, Minor)

[Ethics and Social Policy](#) (Minor)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

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Philosophy Faculty

(as of July 23, 2013)

Professors

[Daniel A. Kaufman, PhD](#)

[Jack Knight, PhD](#)

[Pamela R. Sailors, PhD](#)

[Johnny Washington, PhD](#)

Assistant professors

[Andrew B. Johnson, PhD](#)

[Ralph E. Shain, PhD](#)

Emeritus professors

William R. Brown, PhD

[Bertrand P. Helm, PhD](#)

[Jon S. Moran, PhD](#)

Philosophy Courses

Philosophy (PHI) courses

PHI 105 Critical Thinking

General Education Course (Self-Understanding/Humanities Perspective).

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 (Self-Understanding/Humanities Perspective).

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

General Education Course (Culture and Society/Humanities Perspective).

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 325 Philosophy of Science: Explanation, Objectivity and Progress

This course examines the aims, nature and scope of explanations and theories within the natural, social and behavioral sciences, and it distinguishes such efforts from non-scientific modes of explanation. Critical analyses of intellectual standards for scientific explanation and for practices of collegial review serve (i) to define the kinds of events that are amenable to scientific explanation, (ii) to guide the construction, testing and progressive validation of scientific explanations, and (iii) to clarify the character of the "professional expertise" that scientists contribute to the broader social community and its public endeavors.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[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 335 Mind, Language and Reality

The course examines significant philosophical work within the analytical (Anglo-American) tradition bearing upon relationships between thought, language and reality. In tracing and critically assessing contemporary developments in the "philosophy of mind" and "philosophy of language", the course addresses foundational questions about the nature of language and the diverse functions it serves both in private mental life and in public activities, including social, political, philosophical and scientific enterprises.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

PHI 340 Philosophy of Law

A critical introduction to classical philosophical positions concerning the nature and functions of law, followed by a more detailed study of their contemporary successors. Analysis of rival positions will focus both on questions of theoretical justification and on implications for current legal controversies.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

PHI 341 Social Philosophy

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.

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 the nature of ethics and the principles of moral actions and decisions.

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.

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.

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

Religious experience and the problem of man's knowledge of God; currently-held views concerning such issues as the relation between religion and other aspects of human culture.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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](#)

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](#)

Philosophy

Major(s)

Philosophy (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

B. Major Requirements*

1. Logic and Analytical Reasoning: [PHI 305\(3\)](#)
2. Ethics and Social Thought. Select three hours from Moral Theory: [PHI 340\(3\)](#), [341\(3\)](#), [345\(3\)](#) and three hours from Applied Ethics: [PHI 302\(3\)](#), [342\(3\)](#), [513\(3\)](#)
3. History of Philosophy: [PHI 306\(3\)](#) and [310\(3\)](#)
4. Theory of Knowledge and Metaphysics. Select three hours from: [PHI 325\(3\)](#), [335\(3\)](#)
5. Philosophical Perspectives and Area Studies. Select three hours from: [PHI 300\(3\)](#), [312\(3\)](#), [314\(3\)](#), [315\(3\)](#), [319\(3\)](#), [320\(3\)](#), [350\(3\)](#); [PHI 330\(3\)](#) or [PLS 330\(3\)](#)
6. Complete an additional 12 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 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 Requirements for Bachelor of Arts Degree - see [Specific Bachelor of Arts Degree Requirements](#) section of catalog

F. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Philosophy (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

B. Major Requirements*

1. Logic and Analytical Reasoning: [PHI 305\(3\)](#)
2. Ethics and Social Thought. Select three hours from Moral Theory: [PHI 340\(3\)](#), [341\(3\)](#), [345\(3\)](#) and three hours from Applied Ethics: [PHI 302\(3\)](#), [342\(3\)](#), [513\(3\)](#)
3. History of Philosophy: [PHI 306\(3\)](#) and [310\(3\)](#)
4. Theory of Knowledge and Metaphysics. Select three hours from: [PHI 325\(3\)](#), [335\(3\)](#)
5. Philosophical Perspectives and Area Studies. Select three hours from: [PHI 300\(3\)](#), [312\(3\)](#), [314\(3\)](#), [315\(3\)](#), [319\(3\)](#), [320\(3\)](#), [350\(3\)](#); [PHI 330\(3\)](#) or [PLS 330\(3\)](#)
6. Complete an additional 12 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 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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](#) or [PHI 305](#).
- B. Select one course from each of the following two disciplinary areas listed under the requirements for the Philosophy major: Ethics and Social Thought and History of Philosophy. [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. 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\(3\)](#), [341\(3\)](#), [345\(3\)](#)

B. Complete at least two courses from among the following courses in Applied Ethics: [PHI 302\(3\)](#), [342\(3\)](#), [513\(3\)](#)

Department of Political Science

Programs

Includes accelerated master's option

Undergraduate

[International Relations](#) (Minor)

[Public Administration](#) (Minor)

[Political Science](#) (BA, BS, Minor)

[Public Law](#) (Minor)

Graduate

[Global Studies, Master of](#) (MGS)

Courses are offered toward the option in Homeland Security within the [Administration Studies](#) program

[Public Administration, Master of](#) (MPA)

[Public Management](#) (Certificate)

Courses are offered toward the certificate in [Homeland Security and Defense](#)

Accreditation

- National Association of Schools of Public Affairs and Administration – Public Administration (MPA)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

General information

Missouri Constitution Study Requirement (Senate Bill No. 4)

Students with transfer credit for PLS 101 that did not include a study of the Missouri constitution must complete PLS 103 (1 hour) to meet this requirement. Refer to the [General Baccalaureate Degree Policies and Requirements](#) section of catalog for more information.

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Political Science Faculty

(as of July 23, 2013)

Distinguished professor

[Dennis V. Hickey, PhD](#)

Professors

[George E. Connor, PhD](#)

[Mark C. Ellickson, PhD](#)

[Joel W. Paddock, PhD](#)

[Yuhua Qiao, PhD](#)

[Mark E. Rushefsky, PhD](#)

[Patrick G. Scott, PhD](#)

Associate professors

[Brian R. Calfano, PhD](#)

[James B. Kaatz, PhD](#)

[Gabriel Ondetti, PhD](#)

[Kevin Pybas, PhD](#)

[David Romano, PhD](#)

Assistant professors

[Cigdem Cidam, PhD](#)

[David E. A. Johnson, PhD](#)

Emeritus professors

Gordon D. Friedman, PhD

[Beat Kernen, PhD](#)

[Kant B. Patel, PhD](#)

Robert Peace, MGA

[Denny E. Pilant, PhD](#)

Political Science Courses

Political Science (PLS) courses

PLS 101 American Democracy and Citizenship

General Education Course (Public Affairs/American Studies).

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. This course will partially fulfill Senate Bill 4 requirements with respect to the Missouri Constitution and institutions. Students who have met the Missouri Constitution Study Requirement (Senate Bill # 4) either through completion of PLS 101 at Missouri State or completion of a transfer course that fulfills the requirement, are precluded from taking PLS 103.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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

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

[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

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 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

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

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 (odd-numbered years)

[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: Upon demand

[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: Spring (even-numbered years)

[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: Fall

[Projected offerings](#)

PLS 650 Modern African Politics

A comparative study of the political and economic systems of

Nations, the study of current events, important international disagreements, key international conventions, and the protocol and procedures of UN diplomacy. In the fall, the students will participate as a UN Officer at the Missouri State University Mid-American Model UN conference, and prepare for their role as a distinguished diplomat at the American Model United Nations conference held in Chicago. In addition, the student will help prepare Mid-American Model UN briefs. This course can be repeated for a maximum of three credit hours.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0
Typically offered: Fall

[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: Spring (odd-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: Spring (odd-numbered years)

[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](#)

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 (odd-numbered years)

[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 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 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. This course cannot be credited toward a major in political science if the student has completed a total of three or more credits in any combination of the following; PLS 493, PLS 494, PLS 498, or cooperative education in another discipline. Restricted to Political Science majors and minors. Graded Pass/Not Pass only.

Credit hours: 1-6 **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

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: Fall

[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. May be taught concurrently with ECO 721. Students cannot receive credit for

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

[Projected offerings](#)

PLS 451 Criminal Law and Its Enforcement

An exploration of criminal law and how it is administered by law enforcement agencies.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall (odd-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: 2.50 GPA and 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.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

PLS 494 Professional Internship

Prerequisite: permission.

Recommended Prerequisite: 2.50 GPA and 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.

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

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](#)

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.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

PLS 498 In-Service Training in Public Administration

Prerequisite: permission.

Recommended Prerequisite: 2.50 GPA and 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 and minors. Graded Pass/Not Pass only.

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.

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

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: Spring

[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 (odd-numbered years)

[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.

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. We will look at 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

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: Upon demand

[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: Spring (even-numbered years)

[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: Fall

[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

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 and department head.

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.

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 and department head.

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

Typically offered: Fall (odd-numbered years)

[Projected offerings](#)

Prerequisite: permission.

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.

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](#)

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 338\(3\)](#), [343\(3\)](#), [437\(3\)](#), [544\(3\)](#), [545\(3\)](#), [546\(3\)](#), [547\(3\)](#), [548\(3\)](#), [555\(3\)](#), [565\(3\)](#); [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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (36 hours)
1. Core Requirements* (21 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\(3\)](#)
 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\(3\)](#), [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: [PLS 419\(3\)](#), [451\(3\)](#), [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 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

Political Science (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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\(0\)](#), [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\(3\)](#)
 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\(3\)](#), [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: [PLS 419\(3\)](#), [451\(3\)](#), [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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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\(3\)](#), [451\(3\)](#), [515\(3\)](#), [517\(3\)](#), [518\(3\)](#)

Note: [PLS 169](#) and [576](#) will count as minor electives.

Accelerated Master of Public Administration

Eligible Missouri State University majors in political science may apply for preliminary acceptance into the Master of Public Administration program after admission requirements for the accelerated masters option have been satisfied. If accepted, the undergraduate requirements for PLS 673 (Policy Analysis), PLS 676 (Quantitative Methods of Political Science and Public Policy), and PLS 781 (In-service Training in Public Administration) can be counted for both the undergraduate and graduate degrees (Mixed Credit).

In addition, PLS 771 (Seminar in Public Administration) can be taken during the student's senior year and can also count toward both degrees. This option gives exceptional undergraduate students the opportunity to complete their bachelor's and master's degrees in ten semesters and a summer. 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.

Accelerated Master of Global Studies

Eligible Missouri State University majors in Global Studies, Political Science, and other relevant disciplines may apply for preliminary acceptance into the Master of Global Studies (MGS) program after admission requirements for the accelerated master's option have been satisfied. If accepted, both the undergraduate and graduate requirements for dual-listed courses (500 and 600/700 level courses) must have been fulfilled to be counted for both the undergraduate and graduate degrees (Mixed Credit). This option gives exceptional undergraduate students the opportunity to complete their bachelor's and master's degrees in ten semesters and a summer. 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.

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\(3\)](#), [PLS 498\(3\)](#), [PLS 555\(3\)](#)

Note: No more than six hours taken for the B.A. or B.S. 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 [451\(3\)](#); [515\(3\)](#), [517\(3\)](#), [518\(3\)](#)

B. Complete six hours from the following list to total 18 hours in the minor: [CRM 210\(3\)](#); [HST 517\(3\)](#); [LAW 231\(3\)](#), [LAW 531\(3\)](#); [PHI 340\(3\)](#); [PLS 419\(3\)](#), [PLS 451\(3\)](#), [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

Includes accelerated master's option

Undergraduate

[Religious Studies](#) (BA, BS, Minor)

Graduate

[Religious Studies](#) (MA)

[Religious Studies for the Professions](#) (Certificate)

Missouri State possesses the oldest and largest religious studies program in a state university in Missouri. In our program, you will have access to one of the largest religious studies faculties in the Midwest. Our professors have an impressive range and depth of knowledge in fields including biblical studies, history of Judaism and Christianity, Asian religions, North American religions, and modern religious thought.

Contact

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Religious Studies Faculty

(as of July 23, 2013)

Professors

[Stephen C. Berkwitz, PhD](#)

[John E. Llewellyn, PhD](#)

[Victor H. Matthews, PhD](#)

[James C. Moyer, PhD](#)

[Kathy J. Pulley, PhD](#)

Associate professors

[Leslie A. Baynes, PhD](#)

[Martha L. Finch, PhD](#)

[Mark D. Given, PhD](#)

[Austra Reinis, PhD](#)

[John Schmalzbauer, PhD](#) - Blanche Gorman Strong Chair in Protestant Studies

[John T. Strong, PhD](#)

Instructors

[Lora J. Hobbs, MA](#)

[Micki A. Pulleyking, PhD](#)

Emeritus professors

[Stanley M. Burgess, PhD](#)

[LaMoine F. DeVries, PhD](#)

[Charles W. Hedrick, PhD](#)

[Karl W. Luckert, PhD](#)

J. Ramsey Michaels, ThD

Religious Studies Courses

Religion (REL) courses

REL 100 Introduction to Religion

General Education Course (Self-Understanding/Humanities Perspective) that promotes the Public Affairs Mission.

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 Literature and World of the Old Testament/Hebrew Bible

General Education Course (Culture and Society/Humanities Perspective).

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 Literature and World of the New Testament

General Education Course (Culture and Society/Humanities Perspective).

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 (Culture and Society/Humanities Perspective).

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

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 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, Self, and Society

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

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 (Self-Understanding/Humanities Perspective).

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

[Projected offerings](#)

REL 540 Topics in the History of Religions

Prerequisite: 50 hours.

Recommended Prerequisite: REL 210. Studies of advanced topics in comparative religions or in the history of a particular region or religious tradition. Topics may include material ranging from ancient history to the present day. Examples; Mysticism, 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 the History of Judaism and Christianity

Prerequisite: 50 hours.

Recommended Prerequisite: RE: 330 or REL 340. Selected topics of advanced content in Christianity and Judaism. Examples: Death and Dying in the Christian Tradition; Spirituality in Christianity; Women in the History of Christianity; Reformation of the Sixteenth Century; Thought of Martin Luther; Eastern Christianity; Ritual in Orthodoxy, Catholicism and Protestantism. Variable content course. May be repeated up to 9 hours as topics change. May be taught concurrently with REL 655. 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 570 Archaeology and the Old Testament/Hebrew Bible

Prerequisite: 50 hours.

Recommended prerequisite: REL 101. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Old Testament/Hebrew 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 571 Archaeology and the New Testament

Prerequisite: 50 hours.

Recommended Prerequisite: REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the New Testament. Includes methods and objectives of archaeological research. May be taught concurrently with REL 676. Cannot receive credit for both REL 676 and REL 571.

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. Students will write a major research paper involving theoretical perspectives

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 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

Prerequisite: REL 100 or REL 210.

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

learned in the course. May be taught concurrently with REL 685. Cannot receive credit for both REL 685 and REL 580.

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, Self, and Society

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 the History of Religions

Recommended Prerequisite: REL 210. Studies of advanced topics in comparative religions or in the history of a particular region or religious tradition. Topics may include material ranging from ancient history to the present day. Examples: Mysticism, 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](#)

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 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

REL 655 Topics in the History of Judaism and Christianity

Recommended Prerequisite: REL 330 or REL 340. Selected topics of advanced content in Christianity and Judaism. Examples: Death and Dying in the Christian Tradition; Spirituality in Christianity; Women in the History of Christianity; Reformation of the Sixteenth Century; Thought of Martin Luther; Eastern Christianity; Ritual in Orthodoxy, Catholicism and Protestantism. 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 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 675 Archaeology and the Old Testament/Hebrew Bible

Recommended Prerequisite: REL 101. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Old Testament/Hebrew 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 676 Archaeology and the New Testament

Recommended Prerequisite: REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the New Testament. Includes methods and objectives of archaeological research. May be taught concurrently with REL 571. Cannot receive credit for both REL 571 and REL 676.

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 majors 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 710 Basic Issues in South Asian Religions

A survey of major ideas and practices associated with the religions of South Asia from early history to the present. Important theories and critical issues related to such concepts as colonialism, gender, nationalism, and text will be examined to orient students in the study of South Asian religions. Material from the Hindu, Buddhist, Jain, Sikh, and Muslim traditions of South Asia may be considered.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

REL 711 Seminar in South Asian Religions

Recommended Prerequisite: REL 710. This seminar will examine a specific topic or tradition within South Asian religions. Students can expect to do focused reading,

history.

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

discussion, and research on a particular subject related to the Hindu, Buddhist, Jain, Sikh, and/or Muslim traditions of South 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 730 Basic Issues in Biblical Studies

A survey of the history of research on biblical and related literatures with an emphasis on the period from the Enlightenment to the present. The course will cover classic and contemporary historical and literary problems including the theories and methods devised to address them.

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 750 Basic Issues in the History of Judaism and Christianity

A critical survey of historiographies, evaluative principles and periodizations, their underlying assumptions and results.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

REL 751 Seminar in the History of Judaism and Christianity

Recommended Prerequisite: REL 750. Detailed study of selected persons, authors, movements, and eras in the history of Judaism and Christianity. 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 770 Basic Issues in Religion, Self, and Society

A critical survey of religion as a cultural, social, and personal phenomenon with attention to theory and methodology from related disciplines.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

REL 771 Seminar in Religion, Self, and Society

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

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](#)

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](#)

Religious Studies

Major(s)

Religious Studies (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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. History of Religions: [REL 350](#)(3), [355](#)(3), [357](#)(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), [571](#)(3)
 - c. History of Judaism and Christianity: [REL 103](#)(1), [330](#)(3), [340](#)(3), [341](#)(3), [550](#)(1-3)
 - d. Religion, Self, and Society: [REL 200](#)(1), [315](#)(3), [332](#)(3), [344](#)(3), [345](#)(3), [346](#)(3), [347](#)(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](#)) may be counted where appropriate with the approval of the advisor and department head.
- C. Minor Required (or second major)
- 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

Religious Studies (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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. History of Religions: [REL 350](#)(3), [355](#)(3), [357](#)(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), [571](#)(3)
 - c. History of Judaism and Christianity: [REL 103](#)(1), [330](#)(3), [340](#)(3), [341](#)(3), [550](#)(1-3)
 - d. Religion, Self, and Society: [REL 200](#)(1), [315](#)(3), [332](#)(3), [344](#)(3), [345](#)(3), [346](#)(3), [347](#)(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](#)) may be counted where appropriate with the approval of the advisor and department head.
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Religious Studies

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

- A. [REL 100](#)(3); [REL 101](#)(3) or [102](#)(3); [REL 210](#)(3)

- B. Plus nine 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.

Accelerated master's degree in religious studies

Eligible undergraduate majors in Religious Studies or an equivalent department from an accredited institution may apply for early admission to the Master of Arts in Religious Studies. Once accepted for early admission, students will be able to take up to 12 credit hours at the 600- and 700-level that apply to both their undergraduate and graduate programs (Mixed Credit). 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 Sociology and Anthropology

Programs

Includes accelerated master's option

Undergraduate

[Anthropology](#) (BA, BS, Minor)

[Sociology](#) (BA, BS, Minor)

Graduate

[Applied Anthropology](#) (MS)

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.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Contact

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Sociology and Anthropology Faculty

(as of July 23, 2013)

Professors

[Margaret L. Buckner, PhD](#)

[John B. Harms, PhD](#)

[Tim D. Knapp, PhD](#)

[William C. Meadows, PhD](#)

[Lorene H. Stone, PhD](#)

[Suzanne E. Walker-Pacheco, PhD](#)

[William A. Wedenoja, PhD](#)

Associate professors

[Elizabeth A. Sobel, PhD](#)

[Michael D. Stout, PhD](#)

Assistant professors

[Lisa C. Hall, PhD](#)

[Catherine Hoegeman, PhD](#)

Frederick Scott Worman, PhD

Emeritus professors

[Gary L. Brock, 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

[Martha F. Wilkerson, PhD](#)

[Juris Zarins, PhD](#)

Sociology and Anthropology Courses

Anthropology (ANT) courses

ANT 100 World Cultures

General Education Course (Culture and Society/Social Sciences Perspective).

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 (Self-Understanding/Social-Behavioral Perspective).

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,

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.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[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.

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.

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](#)

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 330 Peoples and Cultures

Anthropological study of a cultural region of the world (such as

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. May be taught concurrently with ANT 695. Cannot receive credit for both ANT 695 and ANT 595.

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

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. We will study the development of the region from prehistoric times to the present and examine 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.

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. Cannot receive credit for more than 9 hours of ANT 599 and ANT 692 combined.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring

[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 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](#)

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.

An in-depth introduction to methods and datasets that relate human adaptation of the Earth's changing environment over the past two million years. By the end of the course, students will be familiar with the major issues in environmental archaeology, have a basic knowledge of the methods used to reconstruct past environments, and understand the theoretical tools that archaeologists use to understand how various peoples negotiated the physical environments of the past.

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 or ANT 250.

The prehistoric record of American Indian cultures is reconstructed from archaeological evidence and methodology. Topics include peopling of the New World, hunting and gathering societies, the development of agriculture, and the formation of political states.

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 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 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 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.

ANT 365 Human Variation

Prerequisite: ANT 227 or BIO 102 or BIO 121 or BMS 100 or BMS 105 or BMS 110.

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

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Upon demand
[Projected offerings](#)

ANT 692 Directed Research in Anthropology

Prerequisite: permission of instructor.

Individual or group research involving supervised collection and analysis of cultural data. May be repeated to a total of 9 hours. Cannot receive credit for more than 9 hours of ANT 692 and ANT 599 combined.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Fall, Spring
[Projected offerings](#)

ANT 695 History of Anthropological Theory

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. 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 696 Directed Readings in Anthropology

Prerequisite: 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 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 700 Applying Anthropology

An introduction to the field of applied anthropology, surveying the professional opportunities for applied anthropologists and the variety of ways in which anthropology is applied to the needs and problems of society.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall
[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](#)

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 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](#)

Sociology (SOC) courses

SOC 150 Introduction to Society

General Education Course (Culture and Society/Social Sciences Perspective).

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

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

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 700 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 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](#)

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.

[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

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

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 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.

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.

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

Prerequisite: 9 hours of Sociology and permission of instructor.

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 485 Society and the Future

A critical analysis of post-industrial societies. Specific attention will be given to changes in institutional spheres and what these trends may indicate for post-industrial societies like the United States.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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

This course offers an introductory survey of feminist theories within a sociological framework. We 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

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: 0 **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

[Projected offerings](#)

credit for both SOC 596 and SOC 697.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

Anthropology

Major(s)

Anthropology (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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\(3\)*](#), [598\(3\)*](#)
 - b. Biological Anthropology: [ANT 365\(3\)](#), [370\(3\)](#), [375\(3\)](#), [397\(3\)*](#), [598\(3\)*](#)
 - c. Cultural Anthropology: [ANT 301\(3\)](#), [302\(3\)](#), [320\(3\)](#), [397\(3\)*](#), [510\(3\)](#), [598\(3\)*](#)
 - d. Linguistic Anthropology: [ANT 380\(3\)](#), [381\(3\)](#), [382\(3\)](#), [598\(3\)*](#); [ENG 494\(3\)](#), [592\(3\)](#)
 - e. Peoples and Cultures: [ANT 325\(3\)](#), [330\(3\)](#), [331\(3\)](#), [332\(3\)](#), [334\(3\)](#), [335\(3\)](#), [525\(3\)](#)
*When applicable
 3. Complete three hours of upper division electives in Anthropology.
- C. Minor Required (or second major)
- 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

Anthropology (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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\(3\)*](#), [598\(3\)*](#)
 - b. Biological Anthropology: [ANT 365\(3\)](#), [370\(3\)](#), [375\(3\)](#), [397\(3\)*](#), [598\(3\)*](#)
 - c. Cultural Anthropology: [ANT 301\(3\)](#), [302\(3\)](#), [320\(3\)](#), [397\(3\)*](#), [510\(3\)](#), [598\(3\)*](#)
 - d. Linguistic Anthropology: [ANT 380\(3\)](#), [381\(3\)](#), [382\(3\)](#), [598\(3\)*](#); [ENG 494\(3\)](#), [592\(3\)](#)
 - e. Peoples and Cultures: [ANT 325\(3\)](#), [330\(3\)](#), [331\(3\)](#), [332\(3\)](#), [334\(3\)](#), [335\(3\)](#), [525\(3\)](#)
*When applicable
 3. Complete nine hours of upper division electives in Anthropology.
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 master's degree in applied anthropology

Eligible Missouri State undergraduate majors in Anthropology may apply for preliminary acceptance into the Applied Anthropology program after admission requirements for the accelerated master's option have been satisfied. This option allows a student to take up to six hours of graduate credit counting toward both the undergraduate and graduate degrees (Mixed Credit). Refer to the [Graduate Catalog](#) for more information.

For courses to be designated as Mixed Credit, the graduate director, 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.

Sociology

Major(s)

Sociology (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 1. [SOC 150](#)(3), [301](#)(3), [302](#)(3), [303](#)(1), [325](#)(3), [398](#)(3), [492](#)(0)
 2. Complete [SOC 336](#)(3) or [337](#)(3) or [420](#)(3)
 3. Complete one course designated as having a community engagement component: [SOC 152](#)(3), [300](#)(1), [319](#)(3) or [320](#)(3)
 4. Complete additional Sociology hours bringing total hours in major to 37.
- C. Minor Required (or second major)
- 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

Sociology (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 1. [SOC 150](#)(3), [301](#)(3), [302](#)(3), [303](#)(1), [325](#)(3), [398](#)(3), [492](#)(0)
 2. Complete [SOC 336](#)(3) or [337](#)(3) or [420](#)(3)
 3. Complete one course designated as having a community engagement component: [SOC 152](#)(3), [300](#)(1), [319](#)(3), or [320](#)(3)
 4. Complete additional Sociology hours bringing total hours in major to 37.
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Sociology

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

- A. [SOC 150](#)(3), [301](#)(3), [325](#)(3)
- B. Complete 9 additional hours in Sociology.

Sociology

Major(s)

Sociology (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 1. [SOC 150](#)(3), [301](#)(3), [302](#)(3), [303](#)(1), [325](#)(3), [398](#)(3), [492](#)(0)
 2. Complete [SOC 336](#)(3) or [337](#)(3) or [420](#)(3)
 3. Complete one course designated as having a community engagement component: [SOC 152](#)(3), [300](#)(1), [319](#)(3) or [320](#)(3)
 4. Complete additional Sociology hours bringing total hours in major to 37.
- C. Minor Required (or second major)
- 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

Sociology (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 1. [SOC 150](#)(3), [301](#)(3), [302](#)(3), [303](#)(1), [325](#)(3), [398](#)(3), [492](#)(0)
 2. Complete [SOC 336](#)(3) or [337](#)(3) or [420](#)(3)
 3. Complete one course designated as having a community engagement component: [SOC 152](#)(3), [300](#)(1), [319](#)(3), or [320](#)(3)
 4. Complete additional Sociology hours bringing total hours in major to 37.
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Sociology

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education

(Non-Certifiable)

Bachelor of Social Work

- A. [SOC 150](#)(3), [301](#)(3), [325](#)(3)
- B. Complete nine additional hours in Sociology.

College of Natural and Applied
Sciences

College of Natural and Applied Sciences

Overview and Programs

Courses Offered

Academic units

Department of Biology

Department of Chemistry

Department of Computer Science

Engineering Program

Department of Geography, Geology,
and PlanningDepartment of Hospitality and
Restaurant Administration

Department of Mathematics

Department of Physics, Astronomy
and Materials Science

Catalog resources

[General University Information](#)[Academic Policies and University
Requirements](#)[Colleges and Academic Units](#)[Majors and Minors](#)[University Course Offerings](#)

Additional resources

[Semester Class Schedule](#)[Catalog Archives](#)[Graduate Catalog](#)

Search the entire catalog:

Programs

Includes accelerated master's option

Undergraduate

[Astronomy](#) (Minor)[Biology](#) (BA, BS, Minor)[Biology Education](#) (BSEd)[Chemistry](#) (BS, Minor)[Chemistry Education](#) (BSEd)[Community and Regional Planning](#) (Minor)[Computer Science](#) (BS, Minor)[Earth Science Education](#) (BSEd)[Engineering](#) (cooperative program with Missouri University of
Science and Technology) (BS)[Environmental Physics Technology](#) (Minor)[Environmental Sciences and Policy](#) (Minor)[Geographic Information Sciences](#) (Certificate)[Geography](#) (BA, BS, Minor)[Geology](#) (BS, Minor)[Geospatial Sciences](#) (BS, Minor)[Geotourism](#) (Minor)[Global Studies](#) (Minor)[Hospitality and Restaurant Administration](#) (BAS, BS)[Informatics](#) (Minor)[Mathematics](#) (BA, BS, Minor)[Mathematics Education](#) (BSEd)[Physics](#) (BS, Minor)[Physics Education](#) (BSEd)[Planning](#) (BS)[Planning and Development](#) (Certificate)[Wildlife Conservation and Management](#) (Biology - BS)

Graduate

[Biology](#) (MS)[Chemistry](#) (MS)[Geospatial Sciences in Geography and Geology](#) (MS)[Geospatial Information Sciences](#) (Certificate)[Materials Science](#) (MS)[Mathematics](#) (MS)[Natural and Applied Science degree with emphasis in
Biology](#) (MNAS)[Natural and Applied Sciences degree with emphasis in
Chemistry](#) (MNAS)[Natural and Applied Science degree with emphasis in
Computer Science](#) (MNAS)[Natural and Applied Science with emphasis in
Geology and Planning](#) (MNAS)[Natural and Applied Science degree with emphasis in
Mathematics](#) (MNAS)[Natural and Applied Science degree 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 options in Earth Science and 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 Environmental Management
option within the [Administrative Studies program](#) (MS)

Centers for Research and Service

Center for Resource Planning and Management

Contact

Dean

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 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.

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College of Natural and Applied Sciences Courses

Science Education (SCI) courses

SCI 214 Introduction to Science Teaching in the 21st Century

Prerequisite: completion of eight hours of science courses.

The course is an introduction to science teaching and to the field of science. Topics in the course include the nature of science, scientific inquiry and research in the sciences. The students will explore how scientists conduct research and how teachers and students conduct research in classrooms.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall

[Projected offerings](#)

SCI 314 Techniques and Technology in Science Laboratory Teaching

Prerequisite: SCI 214 and SEC 302; and one laboratory course in each science discipline: BIO, CHM, PHY, GLG or GRY.

Instruction will focus on safe and effective uses of laboratory techniques and technology to teach science. The course will emphasize the potential of the science laboratory as a vehicle to promote student understanding of science and scientific inquiry. Pre-service teachers will have opportunities to familiarize themselves with laboratory equipment and techniques they will use to teach science in middle or high schools. Field trips to local schools will be required.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Spring

[Projected offerings](#)

SCI 404 Teaching of Middle School Natural Science

Prerequisite: BIO 205 and CHM 105 and PHY 101 and GRY 240; EDC 350 or concurrent enrollment; and admission to Teacher Education Program; RDG 318 and MID 421 are recommended.

Integration of current science learning theories and standards into practical classroom experiences for students of diverse backgrounds and abilities. Students will learn to design and teach science through various inquiry pedagogical approaches. A 15 hour practicum is required. Field trips are required. Portfolio checkpoint 2 is partially addressed through assignments in this course. Credited only on B.S. in Education degree. A grade of "C" or better is required in this course in order to take MID 493 or MID 494. May not be taken Pass/Not Pass.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Spring

[Projected offerings](#)

SCI 414 Teaching of Secondary School Natural Science

Prerequisite: admission to the Teacher Education Program; SCI 214 and SCI 314; completion of 20 hours in the primary science field; minimum of one required course in BIO, CHM, PHY, GLG or GRY; EDC 350 or concurrent enrollment; RDG 474 is recommended.

Integration of current science learning theories and standards into practical classroom experiences for students of diverse backgrounds and abilities. Students will learn to design and teach science through various inquiry pedagogical approaches. Students will learn to assess content knowledge achievement

SCI 494 Supervised Teaching (Secondary Science)

Prerequisite: concurrent enrollment in SCI 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](#)

SCI 499 Clinical Experience 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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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](#)

SCI 505 Intellectual Foundations of Science and Technology

Prerequisite: 70 hours including 8 hours of natural science.

An historical and philosophical examination of the origins and the development of science and technology. The differences between science and technology, their interrelationships in modern times, and the impact of each of these on society will be considered. May be taught concurrently with SCI 605. Cannot receive credit for both SCI 605 and SCI 505.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

SCI 580 Topics in Science Education

Prerequisite: 70 hours.

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. No more than 6 hours may be counted toward a degree. May be taught concurrently with SCI 685. Cannot receive credit for both SCI 685 and SCI 580.

through formal and informal techniques. Practical classroom management will be emphasized. A 15 hour practicum is required. Field trips are required. Portfolio checkpoint 2 is partially addressed through assignments in this courses. Credited only on B.S. in Education. A grade of "C" or better is required in this class in order to take SCI 493 and SCI 494. May not be taken Pass/Not Pass.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall

[Projected offerings](#)

SCI 493 Supervised Teaching (Secondary Science)

Prerequisite: SCI 414; 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 science 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](#)

Credit hours: 1-4 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

SCI 605 Intellectual Foundations of Science and Technology

An historical and philosophical examination of the origins and the development of science and technology. The differences between science and technology, their interrelationships in modern times, and the impact of each of these on society will be considered. May be taught concurrently with SCI 505. Cannot receive credit for both SCI 505 and SCI 605.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

SCI 685 Topics in Science Education

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. No more than 6 hours may be counted toward a degree. May be taught concurrently with SCI 580. Cannot receive credit for both SCI 685 and SCI 580.

Credit hours: 1-4 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

SCI 780 Advanced Topics in Science Education

Prerequisite: 12 hours of graduate coursework.

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. Maximum of 6 hours may be counted toward degree.

Credit hours: 1-4 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

Department of Biology

Programs

Includes accelerated master's option

Undergraduate

[Biology](#) (BA, BS, Minor)

[Wildlife Conservation and Management](#) (BS)

[Biology Education](#) (BSEd)

Graduate

[Biology](#) (MS)

[Plant Science](#) (MS)

[Master of Natural and Applied Science degree with an area of emphasis in Biology](#) (MNAS)

[Secondary Education with an option in Biology](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Biology Education (BSEd), and Secondary Education/Biology (MSEd)
- National Council for Accreditation of Teacher Education – Biology Education (BSEd), and Secondary Education/Biology (MSEd)

Mission statement

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 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

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Contact

Department head

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General information

Marine Biology courses at Gulf Coast Research Laboratory: Under a contract between Missouri State University and Gulf Coast Research Laboratory at Ocean Springs, Mississippi, students can enroll for [summer courses in marine biology](#) taught at the Gulf Coast Research Laboratory. See Biology department head or your advisor for information on these courses.

Program requirements and restrictions

Students with prior credit for BIO 134 and 167 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.

Biology Faculty

(as of July 23, 2013)

Professors

[M. Christopher Barnhart, PhD](#)

[Daniel W. Beckman, PhD](#)

[Paul L. Durham, PhD](#)

[Janice S. Greene, PhD](#)

[John E. Havel, PhD](#)

[John Heywood, PhD](#)

[Laszlo G. Kovacs, PhD](#)

[S. Alicia Mathis, PhD](#)

[Thomas E. Tomasi, PhD](#)

[D. Alexander Wait, PhD](#)

Associate professors

[Brian D. Greene, PhD](#)

[Kyoungtae Kim, PhD](#)

[Georgiana Saunders, PhD](#)

Assistant professors

[Day B. Ligon, PhD](#)

[Brian K. Weaver, PhD](#)

Instructors

[Laura M. Bowe, PhD](#)

[Myra K. Hughes, MD](#)

Adjunct faculty

Wendy B. Anderson, PhD

[David E. Bowles, PhD](#)

[Michael D. Debacker, MS](#)

[Hope Dodd, MS](#)

Selma Glasscock, PhD

Sami Khoshyomn, MD

[Lloyd W. Morrison, PhD](#)

[David G. Peitz, MS](#)

Gareth A. Rowell, PhD

Michael H. Williams, MS

[Craig C. Young, MS](#)

Emeritus professors

Jerry D. Berlin, PhD

Loren L. Denney, EdD

Roar L. Igrens, PhD

[Steven L. Jensen, PhD](#)

[Don L. Moll, PhD](#)

[Richard L. Myers, PhD](#)

Barbara K. Newman, MEd

Robert L. Philibert, PhD

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

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 (Natural World). 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. Does not count for credit towards a major or minor in biology. May receive credit towards graduation for only one of BIO 100, BIO 101, or BIO 102. Supplemental course fee.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

[Projected offerings](#)

BIO 101 Biological Concepts

Prerequisite: permission.

Lecture portion only of BIO 102. This course allows students who have prior transfer credit for the laboratory portion of BIO 102 to take the lecture portion of BIO 102 as a stand-alone three credit hour course. Does not count for general education credit for students whom enter under the fall 1997 catalog or later, unless prior approval is granted. Does not count for credit towards a major or minor in biology. Students receive credit towards graduation for only one of BIO 100, 101, or 102.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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 121 General Biology I

Prerequisite: eligibility for both ENG 110 and MTH 135.

General Education Course (Natural World). 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. This course may not be taken pass/not pass. A grade of C or better in this course is a prerequisite for enrollment in 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

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. May be taught concurrently with BIO 676. Cannot receive credit for both BIO 676 and BIO 576.

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. May be taught concurrently with BIO 677. Cannot receive credit for both BIO 677 and BIO 577.

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.

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.

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.

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

evolutionary history, diversity, structure, and function of major taxa; and ecology. This course may not 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. Credit for this course cannot be applied to the minimum requirements of a major or minor in biology, or the general education (natural sciences) requirement.

Credit hours: 1 **Lecture contact hours:** 0-1 **Lab contact hours:** 0-2

Typically offered: Upon demand

[Projected offerings](#)

BIO 205 Life Science for Middle School

Prerequisite: BIO 100 or BIO 102.

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 105 or CHM 160 and 4 credit 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 B.S.Ed. students and does not count toward a B.A. or B.S. in Biology.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 3

Typically offered: Upon demand

[Projected offerings](#)

BIO 235 Principles of Genetics

Prerequisite: BIO 121 or BMS 110; and BIO 122 and MTH 135 or higher.

An introduction to basic concepts of molecular and Mendelian genetics and an inquiry into the basic processes of evolution. Supplemental course fee.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

[Projected offerings](#)

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.

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

BIO 277 Marine Science II: Marine Biology

Prerequisite: 8 hours biology; and concurrent enrollment in BIO 278.

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 278 Marine Science II: Marine Biology Lab

Prerequisite: concurrent enrollment in BIO 277.

Laboratory portion of BIO 277. 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 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 credit hours from any combination of BIO 300, 399, and 499 credit may be counted towards the major. Graded Pass/Not Pass only.

Credit hours: 1 **Lecture contact hours:** **Lab contact hours:**
Typically offered: Fall, Spring
[Projected offerings](#)

BIO 310 Microbiology

Prerequisite: BIO 235 or BMS 230 or BMS 231; and CHM 105 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: BIO 235 or BMS 230; and CHM 200 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.

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

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.

An introduction to mechanistic embryology of selected vertebrate, invertebrate, and plant model systems. Lecture emphasis on fertilization, morphogenesis, cell surface roles in morphogenesis, cell motility, organo-genesis, metamorphosis, regeneration, and neoplasia as a developmental system. Laboratory emphasis on the normal ontogenetic development of live animal and plant systems and the experimental modification of these systems. Cannot receive credit for both BIO 355 and BIO 755.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

Typically offered: Upon demand

[Projected offerings](#)

BIO 361 General Physiology

Prerequisite: 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.

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.

Credit hours: 4 **Lecture contact hours:** 2 **Lab contact hours:** 4

Typically offered: Spring (odd-numbered years)

[Projected offerings](#)

BIO 371 Introduction to Entomology

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.

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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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.

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 credit hours from any combination of BIO 300, 399 and 499 may be counted towards the biology major. Graded Pass/Not Pass only.

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

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](#)

[Projected offerings](#)**BIO 485 Marine Conservation**

Recommended Prerequisite: BIO 102 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.

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[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.

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 credit hours; a maximum of 3 credit hours may be counted toward the major in biology.

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 credit hours from any combination of BIO 300, 399 and 499 may be counted towards the major. Graded Pass/Not Pass only.

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.

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.

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: 2 **Lecture contact hours:** 2 **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

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.

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.

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.

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.

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

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

with BIO 613. Cannot receive credit for both BIO 613 and BIO 512.

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 200 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.

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

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 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.

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.

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.

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

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 544 and BIO 369; 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.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

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. 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

BIO 540 Applications of Molecular Markers

Prerequisite: grade of "B" or higher 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 200 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.

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: 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](#)

[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. 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: Upon demand

[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

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 515 and BIO 550.

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

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](#)

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

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

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: 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. Cannot receive credit for both BIO 355 and BIO 755.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

Typically offered: Spring

[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

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.

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.

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.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall

[Projected offerings](#)

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 690 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 hrs/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 M.S. 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](#)

Biology

Major(s)

Biology (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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 200](#)(5) or [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. 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

Biology (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- 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. Related Requirements: [CHM 200](#)(5) or [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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Biology (Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (37-46 hours)
 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 105](#)(5) or [CHM 160](#)(4) and [161](#)(1); consult options below before selecting course
 6. [CHM 200](#)(5) or [302](#)(5) or [342](#)(5); consult options below before selecting course
 7. 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** (33-38 hours)
 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), [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](#)(3), [533](#)(3), [539](#)(2), [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](#)(3), [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 [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 related social science courses: [ECO 540](#)(3), [LAW 537](#)(3), [PHI 302](#)(3), [PLS 555](#)(3), [PSY 379](#)(3)

b. Microbiology and Biotechnology (33-42 hours)

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), [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 200](#)(5), 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 (30-47 hours)

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](#)(3), [532](#)(3), [562](#)(4), [589](#)(3)
5. Complete two courses in ecology and evolution from: [BIO 436](#)(4), [515](#)(3), [539](#)(2), [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), [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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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 20 hours.

Biology**Bachelor of Science in Education
(Non-Certifiable)**

[BIO 121\(4\)](#), [122\(4\)](#), [235\(4\)](#), [320\(4\)](#), and [369\(4\)](#).

Accelerated master's degree in biology

Eligible Missouri State undergraduate students majoring in Biology may apply for preliminary acceptance into the Biology program after admission requirements for the accelerated master's option have been satisfied. If accepted, a 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 Biology majors with undergraduate laboratory research experience to complete the course requirements for the MS degree in Biology in two semesters and a summer following the completion of the undergraduate degree, rather than the typical four semesters and a summer. 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.

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

Biology Education

Major(s)

Biology Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
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\(3\)](#); [CHM 105\(5\)](#) or [160\(4\)](#) or [GLG 110\(4\)](#) or [GRY 135\(4\)](#) or [GLG 171\(4\)](#) or [PHY 100\(4\)](#) or [PHY 123\(4\)](#)
- B. Major Requirements
1. Core (32 hours): [BIO 121\(4\)](#), [122\(4\)](#), [215\(2\)](#), [235\(4\)](#), [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** (13-21 hours): [CHM 105\(5\)](#), 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\(4\)](#)
 - b. **Unified Science** (25 hours): [CHM 160\(4\)](#), [170\(3\)](#), [171\(1\)](#); [PHY 123\(4\)](#), [124\(4\)](#); [GLG 110\(4\)](#); [GRY 135\(4\)](#)
- C. Professional Education Courses (37 hours)
1. [SCI 214\(1\)](#), [314\(3\)](#), [414\(3\)](#), [493\(6\)](#), [494\(6\)](#)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Health Education Certification (certifiable grades 9-12, added endorsement only): Students who complete the Bachelor of Science in Education 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 which includes all courses listed above.

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

Wildlife Conservation and Management

Major(s)

Wildlife Conservation and Management (Comprehensive)

Bachelor of Science

This major is offered in cooperation with the Darr School of Agriculture.

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 121](#)(4); [CHM 105](#)(5) or [160](#)(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 [375](#)(3); [AGR 383](#)(3); [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)
 3. 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 - see [General Baccalaureate Degree Requirements](#) section of catalog

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 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 Chemistry

Programs

Includes accelerated master's option

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)

Accreditation

- American Chemical Society – Chemistry/Graduate School, and Chemistry/Industrial (BS)
- Missouri Department of Elementary and Secondary Education – Chemistry Education (BSEd), and Secondary Education/Chemistry (MSEd)
- National Council for Accreditation of Teacher Education – Chemistry Education (BSEd), and Secondary Education/Chemistry (MSEd)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

General information

American Chemical Society certification

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 197 and CHM 106 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.

Contact

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Chemistry Faculty

(as of July 23, 2013)

Professors

[Richard N. Biagioni, PhD](#)

[Eric Bosch, PhD](#)

[Nikolay N. Gerasimchuk, PhD](#)

[Annette W. Gordon, PhD](#)

[M. Reza Sedaghat-Herati, PhD](#)

[Tamera S. Jahnke, PhD](#)

[Mark M. Richter, PhD](#)

[G. Alan Schick, PhD](#)

[Shujun Su, PhD](#)

Associate professors

[Bryan E. Breyfogle, PhD](#)

[Dean A. Cuebas, PhD](#)

[Gary Meints, PhD](#)

[Erich D. Steinle, PhD](#)

[Adam Wanekaya, PhD](#)

Assistant professors

[Katye M. Fichter, PhD](#)

[Matthew R. Siebert, PhD](#)

Senior instructors

[Brian D. High, MS](#)

[Diann M. Thomas, PhD](#)

Emeritus professors

[Robert L. Ernst, PhD](#)

[Wyman K. Grindstaff, PhD](#)

Doris C. Lorz, MS

[James F. O'Brien, PhD](#)

[Ralph W. Sheets, PhD](#)

[Vernon J. Thielmann, PhD](#)

Clifton C. Thompson, PhD

[Paul M. Toom, PhD](#)

James M. Wilbur, Jr., PhD

Chemistry Courses

Chemistry (CHM) courses

CHM 105 Fundamentals of Chemistry

Prerequisite: eligibility for MTH 103 or have completed MTH 103, or be concurrently enrolled in MTH 102.

General Education Course (Natural World). Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of general chemistry. (CHM 105 will not count toward a chemistry major or minor.) Course does satisfy prerequisite for CHM 200. A grade of "C-" or better is required in this course in order to take CHM 200. May not be taken Pass/Not Pass. Supplemental course fee.

Credit hours: 5 **Lecture contact hours:** 4 **Lab contact hours:** 2
Typically offered: Fall, Spring

[Projected offerings](#)

CHM 106 Fundamentals of Chemistry

Prerequisite: eligibility for MTH 103 or have completed MTH 103, or be concurrently enrolled in MTH 102.

General Education Course (Natural World). Same course as CHM 105 except it does not include a laboratory component. Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of introductory chemistry. (CHM 106 will not count toward a chemistry major or minor.) May not receive credit for both CHM 105 and 106. Students should be aware that CHM 106 may not satisfy the chemistry requirement for other majors.

Credit hours: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0
Typically offered: Fall, Spring

[Projected offerings](#)

CHM 107 Chemistry for the Citizen

General Education Course (Natural World).

A one semester 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. Supplemental course fee.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2
Typically offered: Fall, Spring

[Projected offerings](#)

CHM 160 General Chemistry I

Prerequisite: eligibility for MTH 135 or higher.

General Education Course (Natural World). Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors, and most preprofessional students. Concurrent enrollment in CHM 161 is highly recommended. A grade of "C-" or better is required in this course in order to take CHM 170, CHM 171, or CHM 200. May not 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.

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

General Education Course (Natural World). 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. May not 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.

Emphasis on reaction kinetics, chemical equilibrium, precipitation reactions, acid-base theory and oxidation-reduction reactions. Concurrent registration in CHM 171 is highly recommended. A grade of "C-" or better is required in this course in order to take CHM 342, 352, or 506. May not 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. May not be taken Pass/Not Pass.

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 200 Essentials of Organic Chemistry

Prerequisite: "C-" grade or better in either CHM 105; or CHM 160 and CHM 161.

Principles of organic chemistry and biochemistry. Does not apply toward a chemistry major or minor if the student passes CHM 342. A grade of "C-" or better is required in this course in order to take CHM 352. May not be taken Pass/Not Pass. Lecture portion identical to CHM 201. Cannot receive credit for both CHM 200 and CHM 201. Supplemental course fee.

Credit hours: 5 **Lecture contact hours:** 4 **Lab contact hours:** 3

Typically offered: Fall, Spring

[Projected offerings](#)

CHM 201 Essentials of Organic Chemistry

Prerequisite: a "C-" grade or better in CHM 105 or CHM 106 or CHM 160.

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; and "C-" or better in CHM 507 or concurrent enrollment.

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 200 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: 20 hours of chemistry; and "C-" or better in either MTH 287 or MTH 261.

A one semester introduction to physical chemistry including the

Principles of organic chemistry and biochemistry. Identical to lecture portion of CHM 200. Cannot receive credit for both CHM 200 and CHM 201. Does not apply 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 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 260 Principles of Environmental Chemistry

Prerequisite: "C-" grade or better in CHM 105 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: Fall, Spring

[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.

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. May not be taken Pass/Not Pass. Supplemental course fee.

following topics: thermodynamics, solution chemistry, electrochemistry, kinetics, and atomic and molecular structure. Laboratory experiments will illustrate principles of physical chemistry and techniques of analysis. Does not apply to a Chemistry major if the student passes CHM 606. 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,

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. May not 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. May not 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 200 or CHM 342.

Recommended Prerequisite: BIO 121 or BMS 110. 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 200 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. May not 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

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 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 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 675 Advanced Inorganic Chemistry

Prerequisite: "C-" or better in CHM 375; and CHM 507 or CHM 607 or concurrent enrollment in CHM 507 or CHM 607.

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](#)

physical and chemical properties of selected inorganic compounds.

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.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CHM 399 Undergraduate Investigations

Prerequisite: permission of instructor.

Individual investigation of a chemical problem. 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](#)

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 735. Cannot receive credit for both CHM 435 and CHM 735.

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. 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

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: 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 735.

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 200 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 760. Cannot receive credit for both CHM 460 and CHM 760.

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 761. Cannot receive credit for both CHM 461 and CHM 761.

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 762. Cannot receive credit for both CHM 462 and CHM 762. 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](#)

Credit hours: 3 **Lecture contact hours:** 1 **Lab contact hours:** 4

Typically offered: Spring (odd-numbered years)

[Projected offerings](#)

CHM 740 Seminar

Extensive paper on selected topics to be read before staff seminars. May be repeated to total 4 hours.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[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 760 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 760.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

CHM 761 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 761 and CHM 461.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

CHM 762 Chemistry of Environmental Systems Laboratory

Prerequisite: CHM 760 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 762.

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.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CHM 499 Advanced Undergraduate Research

Prerequisite: senior standing Chemistry major.

Individual research problems in chemistry. A written report is required for this course. 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](#)

CHM 502 Techniques of Instrumental Analysis

Prerequisite: "C-" or better in CHM 200 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.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 3

Typically offered: Fall

[Projected offerings](#)

CHM 505 Fundamentals of Physical Chemistry

Prerequisite: 20 hours of chemistry coursework; and "C-" or better in either MTH 287 or MTH 261.

A one semester introduction to physical chemistry including the following topics: thermodynamics, solution chemistry, electrochemistry, kinetics, and atomic and molecular structure. 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. May not 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](#)

Credit hours: 2 **Lecture contact hours:** 0 **Lab contact hours:** 4

Typically offered: Spring

[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. Topics may include: water analysis, physical chemistry of macromolecules, chemistry of natural products, surface chemistry, and forensic chemistry. 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: Upon demand

[Projected offerings](#)

CHM 796 Science Internship

Completion of an internship project (80 hrs/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](#)

Chemistry

Major(s)

Chemistry (Non-Comprehensive)

Bachelor of Science

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

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](#), [399](#) or [499](#)
2. Chemistry electives (8-10 hours) 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](#)(2-3), [460](#)(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 300 or higher selected in consultation with the student's academic advisor and approved by the department head.
3. Related science and mathematics requirements: [MTH 261](#)* and [280](#)(10) or [MTH 261](#)* and [288](#)(8) or [MTH 287](#)* and [288](#)(6); [PHY 123](#)* and [124](#)(8) or [PHY 203](#)* and [204](#)(10)

**Will also count toward General Education Requirements*

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Chemistry (Comprehensive)

Bachelor of Science

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

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: [MTH 287](#)* and [288](#)(6) or [MTH 261](#)* and [280](#)(10) or [MTH 261](#)* and [288](#)(8); [PHY 123](#)* and [124](#)(8) or [PHY 203](#)* and [204](#)(10); Recommended [CSC 111](#)(3)*
3. 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 electives: [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 B.S. 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 [397](#)(2), [399](#)(1-3), [499](#)(1-3)

** Will also count toward General Education Requirements*

C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Chemistry

Bachelor of Arts

Bachelor of Science

A. [CHM 160](#)(4), [161](#)(1), [170](#)(3), [171](#)(1); [CHM 200](#)(5) or [CHM 342](#)(5)

- B. Select an emphasis area from the options below:
- Analytical: [CHM 302](#)(5)
 - Biochemistry: [CHM 352](#)(3) and [353](#)(2); or [CHM 452](#)(3) and [453](#)(2)
 - Environmental: [CHM 460](#)(3) and [461](#)(3)
 - Inorganic: [CHM 375](#)(3) and [376](#)(2)
 - Organic: [CHM 343](#)(5) or [344](#)(3); and [CHM 514](#)(3) or [CHM 542](#)(3)
 - Physical: [CHM 506](#)(3); and [CHM 507](#)(3) or [508](#)(2)
 - Student Option: Select at least 8 hours in CHM courses numbered 302 or higher.

Accelerated master's degree in chemistry

Eligible Missouri State undergraduate students majoring in Chemistry may apply for preliminary acceptance into the Chemistry program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours of approved graduate-level courses chosen from CHM 602, 607, 642, 652 and 675 may be counted towards both the undergraduate and graduate degrees (Mixed Credit). This option offers an opportunity for chemistry majors with undergraduate laboratory research experience to complete the requirements for the MS degree in Chemistry in two semesters and a summer following the completion of the undergraduate degree, rather than the typical four semesters and a summer. 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.

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

Chemistry Education

Major(s)

Chemistry Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
The following required courses can be used to meet both General Education and Major Requirements: BIO 121(4); CHM 160(4) and 161(1) or PHY 123(4) or GLG 110(4) or GLG 171(4); MTH 287(3)
- B. Major Requirements:
1. Core (31-36 hours): [CHM 160](#)(4), [161](#)(1), [170](#)(3), [171](#)(1); [CHM 200](#)(5), or [CHM 342](#)(5) and [CHM 343](#)(5), or [CHM 342](#)(5) and [CHM 344](#)(3); [CHM 302](#)(5), [352](#)(3), [435](#)(2), [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 (22 hours): [PHY 123](#)(4), [124](#)(4); [SCI 505](#)(3); [BIO 121](#)(4); [GLG 110](#)(4) or [GLG 171](#)(4); [MTH 287](#)(3)
 3. Complete the requirements in one of the following grades 9-12 certification areas:
 - a. **Categorical Science** (3 hours): [CHM 375](#)(3)
 - b. **Unified Science** (13 hours): [CHM 463](#)(1); [BIO 122](#)(4); [GLG 110](#)(4); [GRY 135](#)(4)
- C. Professional Education courses (37 hours)
1. [SCI 214](#)(1), [314](#)(3), [414](#)(3), [493](#)(6), [494](#)(6)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Accelerated master's degree in chemistry

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This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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 Computer Science

Programs

Includes accelerated master's option

Undergraduate

[Computer Science](#) (BS, Minor)

[Informatics](#) (Minor)

Graduate

[Natural and Applied Science with emphasis in Computer Science](#) (MNAS)

Accreditation

- Computing Accreditation Commission of ABET — Computer Science (BS): <http://www.abet.org/>

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

General information

Computers for Learning Proficiency Examination

Students may take a proficiency examination to determine if they already possess the computer-related knowledge and skills comprising the Computers for Learning requirement (CIS 101, CSC 101, CSC 111). Those who pass this exam will be excused from, but will not receive credit hours for, the Computers for Learning requirement. For more information contact the Computers for Learning Office, Kings Street Annex, room 216, (417) 836-6120 or visit the [Computers for Learning website](#).

Contact

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Computer Science Faculty

(as of July 23, 2013)

Professors

[Lloyd Smith, PhD](#)

[Kenneth Vollmar, PhD](#)

[Yang Wang, PhD](#)

Associate professors

[Hui Liu, PhD](#)

[Jamil M. Saquer, PhD](#)

[Eric Shade, PhD](#)

Senior instructor

[Michael Scroggins, MBA](#)

Instructor

[Harry Shea, MS](#)

Emeritus professors

[Melvin V. Foster, PhD](#)

[Ivon H. Lowsley, Jr., PhD](#)

[Richard Martin, EdD](#)

[Edward H. Matthews, PhD](#)

Computer Science Courses

Computer Science (CSC) courses

CSC 101 Computers for Learning

General Education Course (Basic Required Courses).

Fundamental computer concepts including word processing spreadsheets, assessing information and the responsible use of information and technology. Course may be waived by proficiency exam. Identical with CIS 101. Cannot receive credit for both CIS 101 and CSC 101.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

CSC 111 Introduction to Computing

Prerequisite: eligible for MTH 261.

General Education Course (Basic Required Courses). An introduction to computer hardware, software, and network resources relevant to the science major. Spreadsheets, word processing, databases, and computer-based mathematical software will be emphasized.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

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

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.

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 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.

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 Wireless Networks

Prerequisite: CSC 565.

An introduction to the fundamental theory, concepts and techniques of wireless communication, wireless networks, network architecture, and wireless applications. Students will gain an understanding of the significance that wireless systems and user mobility have on the construction and handling of a data or telecommunications network. Topics include wireless and ad hoc networks, enabling technologies, multiplexing, protocol design, network security, and quality of service. May be taught concurrently with CSC 667. Students cannot receive credit for 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

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 320 Computer Architecture

Prerequisite: CSC 131.

Introduction to the architecture and internal operation of computers, including assembly language. A study of the major components, functional organization, and sequential operation of digital computers during program execution. Several computer architectures will be studied.

Credit hours: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0
Typically offered: Fall, Spring
[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.

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 320 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. Includes a substantial number of programming assignments, most of which are language interpreters or machine simulators, to be implemented using a functional programming language that emphasizes recursion and higher-order functions. As a semester project, students must research a new programming language and use it to write a nontrivial application.

Credit hours: 4 **Lecture contact hours:** 4 **Lab contact hours:** 0
Typically offered: Fall, Spring
[Projected offerings](#)

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 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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: 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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[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.

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

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 460 Theory of Computer Operating Systems

Prerequisite: CSC 320 and CSC 325.

A study of the concepts and implementation techniques used on modern operating systems. Core topics include processes, threads, interprocess communication, deadlocks, memory management, file systems, I/O systems, security and distributed systems.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

CSC 482 Seminar in Computer Science

Prerequisite: CSC 333; and CSC 460 or concurrent enrollment.

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.

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.

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 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 Wireless Networks

An introduction to the fundamental theory, concepts and techniques of wireless communication, wireless networks, network architecture, and wireless applications. Students will gain an understanding of the significance that wireless systems and user mobility have on the construction and handling of a data or telecommunications network. Topics include wireless and ad hoc networks, enabling technologies, multiplexing, protocol design, network security, and quality of service. May be taught concurrently with CSC 567. Cannot receive credit for 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](#)

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 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](#)

Computer Science

Major(s)

Computer Science (Non-Comprehensive)

Bachelor of Science

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

B. Major Requirements

1. [CSC 130](#)(3), [131](#)(4), [232](#)(4), [320](#)(4), [325](#)(3), [333](#)(4), [335](#)(3), [450](#)(3), [460](#)(3), [482](#)(1)
2. Select nine additional hours from *eligible* CSC courses numbered 300 or higher with at least six hours from courses other than [CSC 399](#) and [CSC 596](#).
3. Related science and mathematics requirements: [MTH 215](#)(3), [261](#)(5)*, [280](#)(5)*, [MTH 345](#)(3) or [540](#)(3); [PHY 203](#)(5)*, [204](#)(5), [220](#)(4); and one of the following courses: [BIO 121](#)(4)*, [BMS 110](#)(4)*, [CHM 160](#)(4)*, [GLG 110](#)(4)*, [GRY 135](#)(4)*, [GRY 142](#)(4)*

* *May also count toward General Education Requirements*

C. Minor Required (Note: The major requirements for Computer Science automatically satisfy the requirements for a minor in Mathematics.)

D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 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 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.

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

Includes accelerated master's option

Undergraduate

[Civil Engineering](#)

[Electrical Engineering](#)

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, Newton, Polk, Stone, Taney, Vernon or 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.

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.

Contact

Director

Douglas R. Carroll, PhD

Office

PCTR Plaster Center for Free Enterprise & Business Development

Phone

417-837-2315

Website

[science.missouristate.edu/
engineering.htm](http://science.missouristate.edu/engineering.htm)

Engineering Faculty

(as of July 23, 2013)

Professor

[Douglas R. Carroll, PhD](#)

[Robert I. Egbert PhD, PE](#)

Assistant professor

[Matt Pierson, PhD](#)

Assistant teaching professors

[Chien-Chung Chen, PhD](#)

[Rohit Dua, PhD](#)

[Theresa Odun-Ayo, PhD](#)

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](#)

EGR 199 Engineering Tracking Course

Enrollment tracking course for students in the cooperative engineering program with Missouri University of Science and Technology. Fees for this course will be assessed based on MO S&T rates. Course is initially graded with an I (Incomplete) grade and, when transcript from MO S&T is received and evaluation completed, the grade is changed to NV (No Value). The title of the section should reflect the corresponding course taken at MO S&T.

Credit hours: 1-5 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

EGR 200 Civil Engineering-Enrollment Tracking Course

Enrollment tracking course for students in the cooperative civil engineering program with Missouri University of Science and Technology. Fees for this course will be assessed based on MO S&T rates. Course is initially graded with an I (Incomplete) grade and, when transcript from MO S&T is received and evaluation completed, the grade is changed to NV (No Value). The title of the section should reflect the corresponding course taken at MO S&T.

Credit hours: 1-5 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

EGR 201 Electrical Engineering-Enrollment Tracking Course

Enrollment tracking course for students in the cooperative electrical engineering program with Missouri University of Science and Technology. Fees for this course will be assessed based on MO S&T rates. Course is initially graded with an I (Incomplete) grade and, when transcript from MO S&T is received and evaluation completed, the grade is changed to NV (No Value). The title of the section should reflect the corresponding course taken at MO S&T.

Credit hours: 1-5 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

Civil Engineering Program

Freshman year (32 credits)

The Freshman year curriculum is the same for all engineering majors. The EGR 110, Study and Careers in Engineering, will discuss the different fields of engineering and will help students decide which field of engineering they wish to study. Students should take this course in their freshman year. The common freshman curriculum is below:

First semester	Second semester
EGR 110 ¹ (1)	ENG 110 (3)
TCM 110 (3)	MTH 280 ⁴ (5)
MTH 261 ² (5)	PHY 203 ⁴ (5)
CHM 160 (4)	ECO 155 (3)
CHM 161 (1)	Total = 16 hours
History ³ (3)	
Total = 17 hours	

1. A grade of "C" or better is required for graduation in Civil Engineering
2. See prerequisite requirements for MTH 261.
3. The History requirement is selected from HST 121, HST 122 or PLS 101.
4. Prerequisite for MTH 280 and PHY 203 is a grade of "C" or better in MTH 261. Students must make a "C" or better in MTH 280 and PHY 203 in order to enroll in the subsequent math, science and engineering courses.

The remaining three years of the engineering curriculum depends on the major selected. Students majoring in Civil or Electrical Engineering will complete their degree at the Missouri State University campus. Students pursuing other engineering degrees should consult with an academic advisor to plan their second year of coursework at Missouri State University, and to prepare to transfer to Missouri University of Science and Technology (or another university) to complete their degree.

General education requirements – Missouri University of Science and Technology

Each student's program of study must contain a minimum of 21 credit hours of course work in general education and must be chosen according to the following rules:

1. All students are required to take one American history course, one economics course, one humanities course, and English 110. The history course is to be selected from History 121, History 122, or Political Science 101. The economics course must be Economics 155 or 165. The humanities course must be selected from the approved lists for Art, English, Foreign Languages, Music, Philosophy, Speech and Media Studies, or Theater.
2. Depth requirement. Three credit hours must be taken in humanities or social sciences at the 200 level or above and must be selected from the approved list. This course must have as a prerequisite one of the humanities or social sciences courses already taken. Foreign language courses numbered lower than 200 will be considered to satisfy this requirement if they have a prerequisite (i.e. the second course in the foreign language sequence). Students may receive humanities credit for foreign language courses in their native tongue only if the course is at the 300 level or higher. All courses taken to satisfy the depth requirement must be taken after graduating from high school.
3. The remaining two courses are to be chosen from the list of approved humanities/social sciences courses and may include one communications course in addition to English 110.
4. Any specific departmental requirements in the general studies area must be satisfied.
5. Special topics and special problems and honors seminars are allowed only by petition to and approval by the student's department chairman.

Civil Engineering Program - years 2-4 curriculum (99 hours)

The Civil Engineering program is characterized by its focus on the scientific basics of engineering and its innovative application; indeed, the underlying theme of this educational program is the application of the scientific basics to engineering practice through attention to problems and needs of the public. The necessary interrelations among the various topics, the engineering disciplines, and the other professions as they naturally come together in the solution of real world problems are emphasized as research, analysis, synthesis, and design are presented and discussed through classroom and laboratory instruction.

Sophomore Year	Sophomore Year	Junior Year First	Junior Year Second	*Senior Year	*Senior Year Second

First Semester	Second Semester	Semester	Semester	First Semester	Semester
GRY 275 ² (3)	MTH 345 (3)	*EMGT 137 ² (2)	CE 216 (3)	CE 210 (1)	CE 298 (3)
MTH 302 (3)	GLG 110 (4)		*CE 242 (3)	*CE 248 (3)	*CE Depth ^{3,4} (3)
PHY 204 (5)	MTH 303 (3)	*CE 217 ² (3)	*CE 211 (3)	*CE 221 (3)	*CE Tech ^{3,4} (3)
*CE 3 (2)	*IDE 150 (2)	*CE 230 ² (3)	*CE 234 (4)	*CE Depth ^{3,4} (3)	*CE Tech ^{3,4} (3)
*IDE 50 ² (3)	*IDE 110 ² (3)	*CE 261 (3)	*CE 223 (3)	*CE Tech ^{3,4} (3)	*CE Tech ^{3,4} (3)
Total = 16 hours	*IDE 120 (1)	*CE 215 (3)	Total = 16 hours	Gen. Ed. ¹ (3)	Gen. Ed. ¹ (3)
	Total = 16 hours	Gen. Ed. ¹ (3)		Total = 16 hours	Total = 18 hours
		Total = 17 hours			

**Most Engineering courses will be offered by Missouri University of Science and Technology on the Missouri State University campus. Students must be admitted to Missouri University of Science and Technology prior to enrolling in engineering courses.

1. All general education electives must be approved by the student's advisor. One general education elective must be from ENG 210, 221, 310, 321 or COM 115. One general education elective must satisfy the depth requirement.
2. A grade of 'C' or better required to satisfy graduation requirements.
3. A grade of 'C' or better may be required in CE technical and depth elective prerequisite courses. Refer to the Missouri University of Science and Technology undergraduate catalog for this prerequisite information.
4. Choose depth and tech electives using Guidelines for Depth and Technical Electives.

NOTE: All Civil Engineering students must take the Fundamentals of Engineering examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the Missouri University of Science and Technology assessment process as described in Assessment Requirements found elsewhere in the Missouri University of Science and Technology catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score.

Civil Engineering guidelines for depth and technical electives

Students should consult with their academic advisor for guidelines regarding the selection of depth and technical electives. Depth and technical electives are offered in the areas of Construction Engineering, Materials Engineering, Environmental Engineering, Geotechnical Engineering, Water Resources Engineering, Structural Engineering and Transportation Engineeri

Electrical Engineering Program

Freshman year (32 credits)

The Freshman year curriculum is the same for all engineering majors. The EGR 110, Study and Careers in Engineering, will discuss the different fields of engineering and will help students decide which field of engineering they wish to study. Students should take this course in their freshman year. The common freshman curriculum is below:

First semester	Second semester
EGR 110 ¹ (1)	ENG 110 (3)
TCM 110 (3)	MTH 280 ⁴ (5)
MTH 261 ² (5)	PHY 203 ⁴ (5)
CHM 160 (4)	ECO 155 (3)
CHM 161 (1)	Total = 16 hours
History ³ (3)	
Total = 17 hours	

1. A grade of "C" or better is required for graduation in Civil Engineering
2. See prerequisite requirements for MTH 261.
3. The History requirement is selected from HST 121, HST 122 or PLS 101.
4. Prerequisite for MTH 280 and PHY 203 is a grade of "C" or better in MTH 261. Students must make a "C" or better in MTH 280 and PHY 203 in order to enroll in the subsequent math, science and engineering courses.

The remaining three years of the engineering curriculum depends on the major selected. Students majoring in Civil or Electrical Engineering will complete their degree at the Missouri State University campus. Students pursuing other engineering degrees should consult with an academic advisor to plan their second year of coursework at Missouri State University, and to prepare to transfer to Missouri University of Science and Technology (or another university) to complete their degree.

General education requirements – Missouri University of Science and Technology

Each student's program of study must contain a minimum of 21 credit hours of course work in general education and must be chosen according to the following rules:

1. All students are required to take one American history course, one economics course, one humanities course, and English 110. The history course is to be selected from History 121, History 122, or Political Science 101. The economics course must be Economics 155 or 165. The humanities course must be selected from the approved lists for Art, English, Foreign Languages, Music, Philosophy, Speech and Media Studies, or Theater.
2. Depth requirement. Three credit hours must be taken in humanities or social sciences at the 200 level or above and must be selected from the approved list. This course must have as a prerequisite one of the humanities or social sciences courses already taken. Foreign language courses numbered lower than 200 will be considered to satisfy this requirement if they have a prerequisite (i.e. the second course in the foreign language sequence). Students may receive humanities credit for foreign language courses in their native tongue only if the course is at the 300 level or higher. All courses taken to satisfy the depth requirement must be taken after graduating from high school.
3. The remaining two courses are to be chosen from the list of approved humanities/social sciences courses and may include one communications course in addition to English 110.
4. Any specific departmental requirements in the general studies area must be satisfied.
5. Special topics and special problems and honors seminars are allowed only by petition to and approval by the student's department chairman.

Electrical Engineering Program - years 2-4 curriculum (98 hours)

The Electrical Engineering program is characterized by its focus on the scientific basics of engineering and its innovative application; indeed, the underlying theme of this educational program is the application of the scientific basics to engineering practice through attention to problems and needs of the public. The necessary interrelations among the various topics, the engineering disciplines, and the other professions as they naturally come together in the solution of real world problems are emphasized as research, analysis, synthesis, and design are presented and discussed through classroom and laboratory instruction.

Sophomore Year	*Sophomore Year	*Junior Year First	*Junior Year Second	*Senior Year First Semester	*Senior Year Second

First Semester	Second Semester	Semester	Semester		Semester
EI Eng. 151 ^{1,3,4} (3)	EI Eng. 121 ^{1,3,4,7} (3)	EI Eng. 253 ^{1,3,6,7} (3)	EI Eng. 271 ^{1,3,6} (4)	EI Eng. Power	EI Eng. Elect. C ^{7,9} (3)
*EI Eng. 152 ^{1,3} (1)	*EI Eng. 122 ^{1,3,4} (1)	*EI Eng. 255 ^{1,3,6,7} (1)	*EI Eng. 217 ^{1,3} (3)	Elect. ^{1,3,6,10} (3)	*EI Eng. Elect. E ¹² (3)
*Cp Eng. 111 ^{1,3,5} (3)	*EI Eng. 153 ^{1,4,6} (3)	*EI Eng. 215 ^{1,3,6} (3)	*EI Eng. 218 ^{1,3} (1)	*EI Eng. Power Elect. Lab ^{1,3,6,10} (1)	*EI Eng. 392 (3)
*Cp Eng. 112 ^{1,3} (1)	MTH 303 ¹ (3)	*EI Eng. 216 ^{1,3,6} (1)	*EI Eng. Elect. A ^{7,9} (3)	*EI Eng. 235 (3)	Hum./SS upper level ² (3)
MTH 302 ¹ (3)	*IDE 140 (3)	MTH 533 (3)	MTH 345 (3)	*EI Eng. Elect. D ^{7,11} (3)	Free Elective ¹³ (3)
PHY 204 ¹ (5)	CSC 125 (4)	COM 115 (3)	ENG 321 ⁸ (3)	*EI Eng. 391 (1)	Assessment ¹⁴ (0)
Total = 16 hours	Total = 17 hours	Hum/SS Elect. ² (3)	Total = 17 hours	Free Elective ¹³ (2)	Total = 15 hours
		Total = 17 hours		Hum./SS Elect. ² (3)	
				Total = 16 hours	

**Most Engineering courses will be offered by Missouri University of Science and Technology on the Missouri State University campus. Students must be admitted to Missouri University of Science and Technology prior to enrolling in engineering courses.

1. A minimum grade of "C" must be attained in MTH 261, 280, 302, and 303, PHY 203 and 204, Cp Eng 111, 112, EI Eng 151, 152, 153, 121, 122, 215, 216, 217, 218, 253, 255, 271, and the Electrical Engineering power elective. Also, students may not enroll in other courses that use these courses as prerequisites until the minimum grade of "C" is attained.
2. All electives must be approved by the student's advisor. Students must comply with the general education requirements with respect to selection and depth of study. These requirements are specified in the current catalog.
3. Students who drop a lecture prior to the last week to drop a class must also drop the corequisite lab.
4. Students must earn a passing grade on the EI Eng Advancement Exam I (associated with EI Eng 151) before they enroll in EI Eng 153 or 121 and 122.
5. Students must earn a passing grade on the Cp Eng Advancement Exam (associated with Cp Eng 111) before they enroll in any course with Cp Eng 111 and 112 as prerequisites.
6. Students must earn a passing grade on the EI Eng Advancement Exam II (associated with EI Eng 153) before they enroll in courses that have EI Eng 153 as a prerequisite.
7. Students must earn a passing grade on the EI Eng Advancement Exam III (associated with EI Eng 121) before they enroll in EI Eng 253 and 255 or other courses with EI Eng 121 as a prerequisite.
8. ENG 321 is preferred, but students may replace ENG 321 with ENG 210, 221 or 310.
9. Electrical Engineering Electives A and C must be chosen from the EI Eng 205 and 208, 207 and 209, 225, 243, 254, and Cp Eng 213.
10. The Electrical Engineering Power Elective may be satisfied with EI Eng 205 and 208 or EI Eng 207 and 209.
11. Electrical Engineering Elective D must be a 300-level EI Eng or Cp Eng course with at least a 3-hour lecture component. This normally includes all EI Eng and Cp Eng 3xx courses except EI Eng or Comp. Eng. 300, 390, 391, and 392.
12. Electrical Engineering Elective E may be any 200 or 300-level EI Eng or Cp Eng course except EI Eng 281, 282, and 283 and EI Eng or Cp Eng 391 and 392.
13. Students are required to take five hours of free elective in consultation with their academic advisors. Credits that do not count toward this requirement are deficiency courses (such as algebra and trigonometry) and extra credits from courses meeting other requirements. Any courses outside of engineering and science must be at least three credit hours.
14. All Electrical Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the Missouri University of Science and Technology assessment process as described in Assessment Requirements found elsewhere. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score.

Emphasis areas for Electrical Engineering

Note: Students must meet the requirements above to satisfy the Electrical Engineering Electives. It is not required that students obtain an emphasis specialty within electrical engineering. Students who wish to have an emphasis area should consult with their academic advisor in selecting the courses. The possible emphasis areas for Electrical Engineering are Circuits and Electronics, Communications-Signal Processing, Computer Engineering, Controls, Electromagnetics, and Power.

Department of Geography, Geology, and Planning

Programs

Includes accelerated master's option

Undergraduate

[Community and Regional Planning](#) (Minor)

[Earth Science Education](#) (BSEd)

[Geographic Information Sciences](#) (Certificate)

[Geography](#) (BA, BS, Minor)

[Geology](#) (BS, Minor)

[Geospatial Sciences](#) (BS, Minor)

[Geotourism](#) (Minor)

[Global Studies](#) (Minor)

[Planning](#) (BS)

[Planning and Development](#) (Certificate)

Graduate

[Geospatial Sciences in Geography and Geology](#) (MS)

[Geospatial Information Sciences](#) (Certificate)

[Natural and Applied Science with emphasis in Geography, Geology, and Planning](#) (MNAS)

[Secondary Education with options in Earth Science and in Geography](#) (MSEd)

Courses are offered toward the Environmental Management option within the [Administrative Studies Program](#) (MS)

Accreditation

- Missouri Department of Elementary and Secondary Education— Earth Science Education (BSEd), Secondary Education/Earth Science (MSEd), and Secondary Education/Geography (MSEd)
- National Council for Accreditation of Teacher Education – Earth Science Education (BSEd), Secondary Education/Earth Science (MSEd), and Secondary Education/Geography (MSEd)
- Planning Accreditation Board – Planning (BS)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Contact

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Geography, Geology, and Planning Faculty

(as of July 23, 2013)

Professors

[Kevin R. Evans, PhD](#)

[Melida Gutierrez, PhD](#)

[Dimitri Ioannides, PhD](#)

[Rajinder S. Jutla, PhD](#)

[Kevin Mickus, PhD](#)

[Robert T. Pavlowsky, PhD](#)

[Thomas G. Plymate, PhD](#)

[Paul A. Rollinson, PhD](#)

[Charles W. Rovey, PhD](#)

Associate professors

[Alice Jill Black, PhD](#)

[Douglas R. Gouzie, PhD](#)

[Jun Luo, PhD](#)

[Judith L. Meyer, PhD](#)

[Xin Miao, PhD](#)

[Xiaomin Qiu, PhD](#)

Assistant professors

[Mario Daoust, PhD](#)

[Ronald W. Malega, PhD](#)

[Diane M. May, MS](#)

Senior instructor

[Deborah Corcoran, MS](#)

Instructors

[Damon J. Bassett, MS](#)

[Linnea A. Iantria, MS](#)

Adjunct professors

Tom Aley, PhD

George H. Davis, MS

Christopher Howell, PhD

Garret Rowell, PhD

Emeritus professors

[David A. Castillon, PhD](#)

[John Catau, PhD](#)

[William H. Cheek, PhD](#)

Charles D. Collins, MS

[William T. Corcoran, PhD](#)

Stanley C. Fagerlin, PhD

Russel L. Gerlach, PhD

[Elias Johnson, PhD](#)

Julius A. Kovats, PhD (West Plains)

[Vincent E. Kurtz, PhD](#)

[Erwin J. Mantei, PhD](#)

[James F. Miller, PhD](#)

[Thomas D. Moeglin, PhD](#)

Milton D. Rafferty, PhD

Geography, Geology, and Planning Courses

Geography (GRY) courses

GRY 100 World Regional Geography

General Education Course (Culture and Society/Social Sciences Perspective).

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 (Culture and Society/Social Sciences Perspective).

Multidisciplinary problem study of population pressures, environmental degradation and socio-political perils and opportunities, through an integrated approach by a staff drawn chiefly from the natural and social sciences.

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 (Natural World).

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 (Natural World).

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

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.

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

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: Fall

[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.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Upon demand

[Projected offerings](#)

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.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

GRY 507 Geography of Sub-Saharan 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: Spring

[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

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 including coastal zones, alpine areas, interior lakes and waterways, cities, and cultural attractions. Geographic and economic factors affecting the development of tourism regions are considered.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

GRY 310 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. Team taught by Geography and Recreation and Leisure Studies faculty. Identical with REC 320. Cannot receive credit for both GRY 310 and REC 320.

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

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

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 100 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

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 Sub-Saharan 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: Spring

[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

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.

Processes of landform development. Erosional and depositional environments created by water, wind, and ice. Hazards and limitations associated with various landforms. 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. Field 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.

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.

[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:**

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 4

Typically offered: Fall, Spring

[Projected offerings](#)

GRY 367 Research Methods in Geography and Planning

Prerequisite: MTH 340 or AGR 330 or PSY 200 or QBA 237 or REC 328 or SOC 302.

With emphasis on applications of descriptive and inferential statistics this course will introduce methods of sampling procedures, collecting, organizing, interpreting and analyzing data related to geography and planning. This course will also include computer applications. Cannot receive credit for both GRY 367 and PLN 367.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[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

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

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](#)

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 (Natural World).

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

Origin, evolution, and major extinctions of life forms set in the context of 3.5 billion years of earth history. Discussion of plants, invertebrate animals, and vertebrates (emphasizing dinosaurs and mammals). Laboratory exercises acquaint the student with representatives of the major fossil groups. Optional fossil collecting trip. Credit may not be applied toward any major or minor in geology.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

Typically offered: Upon demand

[Projected offerings](#)

GLG 171 Environmental Geology

General Education Course (Natural World).

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](#)

Treats those aspects of geology that interface directly with humanity. Past, present and future of geologic hazards, geologically related environmental health problems, mineral resources and energy resources. Human dependence on geologic resources is examined and interrelated with problems of humanity. Field trips required.

Credit hours: 4 **Lecture contact hours:** 4 **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. Because topics vary, this course may be repeated, with permission of the instructor to a total of 10 credits. Credit may not be counted toward any major or minor in Geology. Variable content course.

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 102.

Integrates physical, chemical, biological, and geological oceanography to provide a multidisciplinary approach to the fundamentals of oceanography. (Must be taken at Gulf Coast

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 594 Global Tectonics

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. May be taught concurrently with GLG 694. Cannot receive credit for both GLG 594 and GLG 694.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

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 Petrology

Prerequisite: GLG 332.

Origin, classification, and identification of common rocks. A grade of "C" or better is required in this course in order to take GLG 413. This course may not be taken Pass/Not Pass.

Credit hours: 4 **Lecture contact hours:** 2 **Lab contact hours:** 4

Typically offered: Spring

[Projected offerings](#)

GLG 340 Structural Geology

Prerequisite: GLG 314 and GLG 333; 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. A grade of "C" or better is required in this course in order to take GLG 413. This course may not be taken Pass/Not Pass.

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

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

Typically offered: Fall

[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 358 Writing II: Reporting Geological Information

Prerequisite: ENG 110 and 30 hours and GLG 314; and either GLG 318 or GLG 332.

General Education Course (Basic Required Courses). 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.

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. Graded Pass/Not Pass only. Variable content course. 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 permission.

Regional geology of the Midcontinent including the Ozark, Wichita, Arbuckle, Ouachita and Boston Mountains, 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 333. Principles underlying the deposition of sediments; environmental control of lithofacies and biofacies; recognition of ancient depositional environments by key indicators and modern analogs. May be taught concurrently with GLG 570. Cannot receive credit for both GLG 570 and GLG 670.

Credit hours: 4 **Lecture contact hours:** 3 **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

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.

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 694 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. May be taught concurrently with GLG 594. Cannot receive credit for both GLG 694 and GLG 594.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring
[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.

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.

Recommended Prerequisite: GLG 333. Principles underlying the deposition of sediments; environmental control of lithofacies and biofacies; recognition of ancient depositional environments by key indicators and modern analogs. May be taught concurrently with GLG 670. Cannot receive credit for both GLG 670 and GLG 570.

Credit hours: 4 **Lecture contact hours:** 3 **Lab contact hours:** 2

Typically offered: Fall

[Projected offerings](#)

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 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 to 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 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 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 develop and implement both single or multiple source geospatial portals. A major part of the course will examine user interaction design for geospatial data in both a wired and wireless environment. 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 use in GIS, including vector and raster models, spatial overlay, incorporation of field data, analysis of surfaces, interpolation, TINs and network 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 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 develop and implement both single or multiple source geospatial portals. A major part of the course will examine user interaction design for geospatial data in both a wired and wireless environment. 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 use in GIS, including vector and raster models, spatial overlay, incorporation of field data, analysis of surfaces, interpolation, TINs and network 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

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

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 Geospatial Science

Orientation to graduate study in geospatial sciences and development of a research proposal.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

GEO 701 Research Methods in Geospatial Science

Prerequisite: GEO 700.

Methods of collecting, organization, and analyzing data pertinent to graduate study in Geospatial Science. Emphasis will be on the application of univariate and multivariate statistical techniques and other quantitative techniques pertinent to mathematically and statistically modeling

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](#)

geospatial problems.

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

General Education Course (Culture and Society/Social Sciences Perspective).

This course provides an introduction to understanding metropolitan issues from a variety of viewpoints. This course will explore questions such as: What is a city? What is the relationship between the natural and built environments? How do people perceive cities? 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 the community to meet those needs.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall, Spring
[Projected offerings](#)

PLN 367 Planning Methods

Prerequisite: SOC 302.

Introduces data collection, sampling methods, statistical procedures and analysis, changing demographic characteristics, economic analysis, population projection

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](#)

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 examines the development of urban form in different eras as well as 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

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.

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 400 Communication Techniques in Planning

Focuses on the oral, written, graphic and computer techniques used by planners in communicating with the public and elected officials. Emphasis is on visual analysis, graphic design, planning graphics, diagramming, photo editing techniques, spreadsheets, report writing, and the developing of a portfolio.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[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

PLN 599 Internship in Urban 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

[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 synthesis of planning elements through comprehensive plan development. 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 an actual planning problem. Students will work on an individual basis and as part of a team in preparing a final report. Field problems will vary. 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

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 synthesis of planning elements through comprehensive plan development. 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 an actual planning problem. Students will work on an individual basis and as part of a team in preparing a final report. Field problems will vary. May be taught concurrently with PLN 672. 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 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 Studio

Prerequisite: PLN 271 and PLN 372.

Lecture-studio focusing on the principles and processes of urban design and site specific design requirements. Students will design site plans for specific uses such as subdivisions, shopping centers and parks for public presentation. May be taught concurrently with PLN 676. Cannot receive credit for both PLN 676 and PLN 576.

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 Studio

Recommended Prerequisite: PLN 271 and PLN 372. Lecture-studio focusing on the principles and processes of urban design and site specific design requirements. Students will design site plans for specific uses such as subdivisions, shopping centers and parks for public presentation. May be taught concurrently with PLN 576. Cannot receive credit for both PLN 576 and PLN 676.

Credit hours: 4 **Lecture contact hours:** 2 **Lab contact hours:** 4

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 Urban 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

[Projected offerings](#)

Credit hours: 4 **Lecture contact hours:** 2 **Lab contact hours:** 4

Typically offered: Fall

[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](#)

Community and Regional Planning

Minor(s)

Community and Regional Planning

Bachelor of Science

A. [PLN 371](#)(3), [367](#)(3), [372](#)(3), [570](#)(3), [571](#)(3), [572](#)(4)

B. [GRY 322](#)(3)

Earth Science Education

Major(s)

Earth Science Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
The following required courses can be used to meet both General Education and Major Requirements: [BIO 102](#)(4); [MTH 138](#)(5), or [MTH 135](#)(3) and [MTH 181](#)(3), or [MTH 261](#)(5) or [MTH 287](#)(3); [AST 115](#)(4) or [CHM 105](#)(5) 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 102](#)(4); [CHM 105](#)(5); [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)
- C. Professional Education Courses (37 hours)
1. [SCI 214](#)(1), [314](#)(3), [414](#)(3), [493](#)(6), [494](#)(6)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

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 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.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- 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.
- C. Minor Required (or second major)
- 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

Geography (Non-Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (38-44 hours)
 - 1. Core Requirements (15 hours): [GRY 100](#)(3), [142](#)(4), [363](#)(4), [367](#)(3), [498](#)(1)
 - 2. 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)
 - 3. Complete one of the following options:
 - a. **Cultural and Regional Geography** (20-21 hours)
 - 1. Complete one of the following: [GRY 300](#)(3), [305](#)(3)
 - 2. Complete one of the following: [GRY 320](#)(3), [321](#)(3), [322](#)(3), [323](#)(3)
 - 3. Complete one of the following field-studies courses: [GRY 301](#)(3), [353](#)(2), [470](#)(2)
 - 4. Complete 12 additional hours with GRY, GEO or PLN prefix
 - b. **Environmental and Natural Resources**(24-25 hours)
 - 1. [GRY 135](#)(4), [348](#)(3), [351](#)(3), [535](#)(3); [GEO 561](#)(3)
 - 2. Complete one of the following: [GRY 300](#)(3), [305](#)(3), [320](#)(3), [321](#)(3), [322](#)(3), [323](#)(3)
 - 3. Complete one of the following field-studies courses: [GRY 301](#)(3), [353](#)(2), [470](#)(2); [GLG 360](#)(2)
 - 4. Complete 3 additional hours with GRY, GEO, or PLN prefix
 - 5. Recommended supplementary courses: [CHM 105](#)(5) or [CHM 160](#)(4); [AGN 215](#)(3); [BIO 122](#)(4); [GRY 597](#)(1-5). Students should select a minor in science, mathematics, agriculture, or an approved personalized minor.
 - c. **Geotourism**(26 hours)
 - 1. [GRY 308](#)(3), [310](#)(3), [328](#)(3), [410](#)(3), [470](#)(2), [510](#)(3); [HRA 340](#)(3)
 - 2. Complete one of the following: [GRY 318](#)(3), [320](#)(3); [PLN 372](#)(3)
 - 3. Complete a minimum of 3 hours from the following: [GLG 171](#)(4); [GRY 108](#)(3), [301](#)(3), [305](#)(3), [321](#)(3), [322](#)(3), [323](#)(3), [353](#)(2), [399](#)(1-3); [PLN 100](#)(3), [573](#)(3), [574](#)(3), [599](#)(1-3)
 - 4. Recommended supplementary courses: any additional courses in subsection 2 or 3, plus any of the following: [AGP 121](#)(2); [ART 271](#)(3); [HRA 210](#)(3), [428](#)(3), [430](#)(3); [JRN 270](#)(3); [MKT 150](#)(3); [PHI 302](#)(3); [PLS 232](#)(3); [REC 152](#)(3), [303](#)(3); [THE 101](#)(3)
 - C. Minor Required (or second major)
 - D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Geography

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education

(Non-Certifiable)

A. [GRY 100](#)(3), [142](#)(4), [321](#)(3), [351](#)(3)

B. Additional upper division electives in GRY, GEO, or PLN to total at least 18 hours.

Accelerated master's degree in geospatial sciences in geography and geology

Eligible Missouri State University undergraduate majors in Geography, Geospatial Sciences, Geology, and Planning may apply for preliminary acceptance into the Geospatial Sciences program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). This option allows students with advanced course work in Geography, Geospatial Sciences, Geology, or Planning to complete a master's degree in three full semesters and one summer semester. 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.

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 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.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (79-87 hours)
 1. [GLG 110](#)(4) or both [GLG 171](#)(4) and [GLG 172](#)(1); [GLG 314](#)(4), [332](#)(4), [333](#)(4), [340](#)(4), [358](#)(3), [412](#)(4), [413](#)(6) or equivalent Field Geology course, [570](#)(4)
 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 9 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) and [280](#)(5), or [MTH 287](#)(3) and [288](#)(3); [PHY 123](#)(4) and [124](#)(4), or [PHY 203](#)(5) and [204](#)(5)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Geology (Non-Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (49-54 hours)
 1. [GLG 110](#)(4) or both [GLG 171](#)(4) and [GLG 172](#)(1); [GLG 314](#)(4), [332](#)(4), [333](#)(4), [340](#)(4), [358](#)(3), [570](#)(4)
 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 7 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)
- C. Minor Required (or second major). Geology majors wishing to emphasize paleontology should minor in biology.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

Geology

Bachelor of Arts

- A. [GLG 110](#)(4) or both [GLG 171](#)(4) 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](#)(4) 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 master's degree in geospatial sciences in geography and geology

Eligible Missouri State University undergraduate majors in Geography, Geospatial Sciences, Geology, and Planning may apply for

preliminary acceptance into the Geospatial Sciences program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). This option allows students with advanced course work in Geography, Geospatial Sciences, Geology, or Planning to complete a master's degree in three full semesters and one summer semester. 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.

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 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.

Geospatial Sciences

Major(s)

Geospatial Sciences (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (65-68 hours)
- [GRY 100](#)(3) or [108](#)(3); [GRY 142](#)(4) or [GLG 110](#)(4); [GRY 275](#)(3); [GRY 300](#)(3) or [301](#)(3) or [305](#)(3); [GRY 360](#)(3), [363](#)(4), [367](#)(3), [470](#)(2), [498](#)(1); [GEO 551](#)(3), [561](#)(3), [562](#)(3), [566](#)(3), [568](#)(3), [572](#)(3); [CSC 121](#)(3) or [CSC 125](#)(4) or [CIS 260](#)(3); [MTH 181](#)(3) or [138](#)(5); [AGR 330](#)(3) or [MTH 340](#)(3) or [PSY 200](#)(3) or [QBA 237](#)(3) or [REC 328](#)(3) or [SOC 302](#)(3)
 - Complete 12 additional hours from the following: [GRY 300](#)(3) or [301](#)(3) or [305](#)(3); [GRY 320](#)(3), [321](#)(3), [322](#)(3), [323](#)(3), [348](#)(3), [351](#)(3), [375](#)(3), [377](#)(3), [379](#)(3), [507](#)(3), [525](#)(3); [GEO 573](#)(3), [575](#)(3), [578](#)(3); [TCM 110](#)(3), [313](#)(3); [MTH 261](#)(5) or [287](#)(3); [MTH 280](#)(5) or [288](#)(3); [CIS 230](#)(3), [270](#)(3), [321](#)(3), [326](#)(3), [528](#)(3); [CSC 131](#)(3), [232](#)(3), [335](#)(3), [525](#)(3). NOTE: Students who select a surveying emphasis must take [GRY 375](#)(3), [377](#)(3), [379](#)(3).
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 master's degree in geospatial sciences in geography and geology

Eligible Missouri State University undergraduate majors in Geography, Geospatial Sciences, Geology, and Planning may apply for preliminary acceptance into the Geospatial Sciences program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). This option allows students with advanced course work in Geography, Geospatial Sciences, Geology, or Planning to complete a master's degree in three full semesters and one summer semester. 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.

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 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.

Geotourism

Minor(s)

Geotourism

Bachelor of Arts

Bachelor of Science

A. [GRY 100\(3\)](#), [308\(3\)](#), [310\(3\)](#), [328\(3\)](#), [410\(3\)](#)

B. [HRA 340\(3\)](#)

Global Studies

Major(s)

Global Studies (Non-Comprehensive)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (45-51 hours)
- a. [GBL 250](#)(3)
 - b. Complete four of the following courses: [ANT 100](#)(3); [ECO 155](#)(3); [GRY 100](#)(3); [PLS 232](#)(3), [REL 210](#)(3); [SOC 150](#)(3)
 - c. Complete 15 hours in one of the following focus areas, with courses with at least four different course prefixes:
 - i. Language and Culture: [ANT 226](#)(3), [280](#)(3), [320](#)(3), [380](#)(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 550](#)(3)*; [MUS 239](#)(3); [PHI 115](#)(3), [342](#)(3); [REL 370](#)(3)
 - ii. 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)
 - iii. 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](#)(1), [437](#)(3), [535](#)(3), [546](#)(3), [555](#)(3), [561](#)(3), [565](#)(3); [REL 370](#)(3); [SOC 305](#)(3), [336](#)(3)

*When applicable
 - d. 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](#).
 - i. 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)
 - ii. 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)
 - iii. 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)
 - iv. Latin America and Caribbean: [ANT 331](#)(3); [ART 273](#)(3)*, [385](#)(3), [485](#)(3); [HST 350](#)(3), [587](#)(3), [588](#)(3); [PLS 548](#)(3)
 - v. 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.
 - e. 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.
- 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 Requirements for Bachelor of Arts Degree - see [Specific Bachelor of Arts Degree Requirements](#) section of catalog
- F. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated Master of Global Studies

Eligible Missouri State University majors in Global Studies, Political Science, and other relevant disciplines may apply for preliminary acceptance into the Master of Global Studies (MGS) program after admission requirements for the accelerated master's option have been satisfied. If accepted, both the undergraduate and graduate requirements for dual-listed courses (500 and 600/700 level courses) must have been fulfilled to be counted for both the undergraduate and graduate degrees (Mixed Credit). This option gives exceptional undergraduate students the opportunity to complete their bachelor's and master's degrees in ten semesters and a summer. 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.

Global Studies

Minor(s)

Global Studies

Bachelor of Arts

Bachelor of Science

- A. [GRY 100](#)(3); [GRY 320](#)(3) or [323](#)(3); [GRY 363](#)(4) or [367](#)(3)
- B. Nine additional hours in regional geography courses: [GRY 305](#)(3), [308](#)(3), [316](#)(3), [507](#)(3). Note: [GRY 305](#)(3) is a variable content course that may be repeated with new content.

Planning

Major(s)

Planning (Comprehensive)

Bachelor of Science

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

B. Major Requirements (70 hours)

1. [PLN 100](#)(3) or [GRY 100](#)(3) or [GRY 108](#)(3); [PLN 371](#)(3), [367](#)(3), [372](#)(3), [400](#)(3), [570](#)(3), [571](#)(3), [572](#)(4), [576](#)(4), [599](#)(3); [GRY 142](#)(4) or [GLG 110](#)(4); [GRY 321](#)(3), [322](#)(3), [363](#)(4); [ECO 155](#)(3); [SOC 150](#)(3), [302](#)(3)

2. Complete one of the following options:

a. **Community and Regional Planning** (15 hours)

1. [PLS 351](#)(3); [SOC 305](#)(3)

2. Select an additional 9 hours from the following (at least 5 hours to be selected from GRY, GEO, or PLN courses): [PLN 505](#)(3), [573](#)(3), [574](#)(3), [596](#)(1-3), [597](#)(1-5), [599](#)(1-3); [FIN 266](#)(3); [GRY 301](#)(3), [310](#)(3), [320](#)(3), [348](#)(3), [351](#)(3), [360](#)(3), [410](#)(3), [470](#)(2), [510](#)(3), [525](#)(3), [545](#)(3); [GEO 551](#)(3), [561](#)(3), [566](#)(3), [568](#)(3); [PLS 255](#)(3); [ECO 450](#)(3); [HRA 340](#)(3); [HST 515](#)(3)

b. **Tourism Planning and Development** (15 hours)

1. [GRY 310](#)(3), [410](#)(3), [510](#)(3); [HRA 340](#)(3)

2. Select an additional 3 hours from the following: [PLN 505](#)(3), [572](#)(4), [573](#)(3), [574](#)(3), [596](#)(1-3), [597](#)(1-5), [599](#)(1-3); [GRY 320](#)(3), [328](#)(3), [348](#)(3), [351](#)(3), [360](#)(3), [470](#)(2), [525](#)(3), [545](#)(3); [GEO 551](#)(3), [561](#)(3), [566](#)(3), [568](#)(3); [REC 152](#)(3), [390](#)(3), [422](#)(3); [HRA 410](#)(3); [ECO 540](#)(3); [HST 515](#)(3)

C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated master's degree in geospatial sciences in geography and geology

Eligible Missouri State University undergraduate majors in Geography, Geospatial Sciences, Geology, and Planning may apply for preliminary acceptance into the Geospatial Sciences program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). This option allows students with advanced course work in Geography, Geospatial Sciences, Geology, or Planning to complete a master's degree in three full semesters and one summer semester. 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.

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 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.

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 571](#)(3); [PLN 572](#)(4) or [576](#)(4)
- B. Six additional hours from: [PLN 372](#)(3), [570](#)(3), [573](#)(3), [574](#)(3), [597](#)(3)

Department of Hospitality and Restaurant Administration

Programs

Includes accelerated master's option

Undergraduate

[Hospitality and Restaurant Administration](#) (BS, BAS)

Accreditation

- Accreditation Commission for Programs in Hospitality Administration – Hospitality and Restaurant Administration (BS)

Mission statement

The Hospitality and Restaurant Administration Department 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

Interim department head

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Hospitality and Restaurant Administration Faculty

(as of July 23, 2013)

Professor

[Melissa B. Dallas, JD](#)

Associate professor

[Daniel Crafts, EdD](#)

Assistant professors

[Melanie Grand, MSED](#)

[Stephanie G. Hein, EdD](#)

Senior instructor

[Abigale S. Ehlers, MSED](#)

Emeritus professors

Henry C. Huitt, MSED

Loanna Thompson, PhD

Hospitality and Restaurant Administration Courses

Hospitality and Restaurant Administration (HRA) courses

HRA 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](#)

HRA 215 Introduction to Lodging Management

Prerequisite: HRA 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](#)

HRA 218 Safety and Sanitation

Prerequisite: HRA 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](#)

HRA 300 Special Topics in Hospitality and Restaurant Administration

Prerequisite: permission of Department Head.

Selected topics of contemporary interest in hospitality and restaurant administration. 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](#)

HRA 302 Hospitality and Restaurant Administration 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](#)

HRA 310 Analyzing Financial Performance in Hospitality Operations

Prerequisite: MTH 130 or higher; and HRA 210; and HRA 215; and ACC 201.

HRA 409 Beverage Operations

Prerequisite: senior standing; and Hospitality and Restaurant Administration 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](#)

HRA 410 Hospitality Marketing and Revenue Management

Prerequisite: HRA 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](#)

HRA 426 Food and Beverage Management

Prerequisite: HRA 321; 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](#)

HRA 428 Hospitality Law

Prerequisite: junior standing; and Hospitality and Restaurant Administration 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](#)

HRA 430 Special Event Planning

Prerequisite: MKT 150 or MKT 350; and HRA 321.

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](#)

HRA 435 Restaurant Management

Prerequisite: HRA 321.

This course is designed to allow students to experience the step-by-step process of operating "Carrie's" Restaurant in the

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](#)

HRA 315 Advanced Lodging Management

Prerequisite: HRA 210 and HRA 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](#)

HRA 321 Principles of Food Preparation

Prerequisite: HRA 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](#)

HRA 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](#)

HRA 330 Banquet Operations

Prerequisite: HRA 210 and HRA 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](#)

HRA 340 Destination Development

Prerequisite: HRA 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](#)

Professional Building. 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](#)

HRA 436 Casino Operations

Prerequisite: HRA 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](#)

HRA 480 Global Strategic Management in the Hospitality Industry

Prerequisite: senior standing; and HRA 310; and HRA 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](#)

HRA 490 Advanced Hospitality Leadership

Prerequisite: senior standing; and MTH 130 or higher; and HRA 354 or concurrent enrollment; and Hospitality and Restaurant Administration major.

An in-depth investigation into leadership principles and practices required of professionals in the hospitality industry.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall, Spring
[Projected offerings](#)

HRA 497 International Hospitality Field Study

Prerequisite: HRA 210 and HRA 215 and HRA 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](#)

HRA 499 Internship in Hospitality

Prerequisite: senior standing; and Hospitality and Restaurant Administration major; and permission.

Supervised experience in a cooperative program in hospitality.

HRA 345 Club Management

Prerequisite: HRA 210 and HRA 215 and HRA 218.

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](#)

HRA 354 Hospitality Human Resource Development

Prerequisite: HRA 210 and HRA 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](#)

HRA 360 Hospitality Facilities Management

Prerequisite: HRA 210 and HRA 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](#)

HRA 400 Problems in Hospitality and Restaurant Administration

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](#)

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.

Credit hours: 6 **Lecture contact hours:** 0 **Lab contact hours:** 6

Typically offered: Upon demand

[Projected offerings](#)

HRA 710 Risk Management and Legal Compliance in the Hospitality Industry

Prerequisite: LAW 600 or equivalent.

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](#)

HRA 720 Hospitality Change Management and Leadership

Prerequisite: MGT 600 or equivalent.

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](#)

HRA 730 Seminar in Hospitality and Tourism

Prerequisite: 18 graduate hours in business administration and economics.

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](#)

Hospitality and Restaurant Administration

Major(s)

Hospitality and Restaurant Administration (Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirement: [GRY 100](#)(3)
- B. Major Requirements
1. Core Courses: [HRA 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. Complete one of the following options (9 hours):
 - a. **Club Management:** [HRA 330](#)(3), [345](#)(3), [430](#)(3)
 - b. **Food and Beverage:** [HRA 330](#)(3), [409](#)(3), [435](#)(3)
 - c. **General Operations:** [HRA 340](#)(3), [430](#)(3); [HRA 315](#)(3) or [435](#)(3)
 - d. **Lodging:** [HRA 315](#)(3), [360](#)(3); [HRA 430](#)(3) or [436](#)(3)
 - e. **Senior Living Management:** [HRA 330](#)(3); [GER 310](#)(3), [365](#)(3)
 - f. **Tourism:** [GRY 310](#)(3), [328](#)(3); [HRA 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 HRA electives.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Hospitality and Restaurant Administration (BAS)

Bachelor of Applied Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
1. Associate of Science or Associate of Applied Science degree from an accredited institution. Contact the department for details.
 2. [HRA 210](#)(3), [215](#)(3), [218](#)(3), [321](#)(3)
 3. Related Requirements: [ACC 201](#)(3); [MKT 150](#)(3)
 4. Core Courses: [HRA 310](#)(3), [354](#)(3), [428](#)(3), [490](#)(3), [499](#)(6)
 5. Major Electives: 12 hours of upper division HRA electives
- C. Seven additional hours of advisor approved upper division electives to bring total upper division hours to 40.
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Department of Mathematics

Programs

Includes accelerated master's option

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)

Accreditation

- Missouri Department of Elementary and Secondary Education – Mathematics (BSEd), and Secondary Education/Mathematics (MSEd)
- National Council for Accreditation of Teacher Education – Mathematics (BSEd), and Secondary Education/Mathematics (MSEd)

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

General information

High school mathematics preparation

High school mathematics preparation strongly contributes to students' success in their initial mathematics courses taken at Missouri State. Three units of mathematics at the high school algebra level and beyond are required for admission to Missouri State (see "Admission" section of catalog). The Mathematics Department assumes these three units contain a minimum of the content and performance skills experienced in Algebra I, Geometry, and Algebra II.

Math placement

An appropriate placement is required prior to taking any of the 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. 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 at Mathematics@Missouristate.edu. 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

Contact

Department head

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Department at (417) 836-5112 to schedule an appointment.

Requesting ACT or SAT scores

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 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. You are required to complete your mathematics general education requirement (as well as other basic skills requirements) before being admitted to our degree program.

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.** Please 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:

Score: Placement

ACT Math \geq 28: MTH 340, 287, 261, 215, 181, 138, 135, 130, 103, 102, 101

ACT Math \geq 27: MTH 340, 287, 215, 181, 138, 135, 130, 103, 102, 101

ACT Math \geq 26: MTH 287, 181, 138, 135, 130, 103, 102, 101

ACT Math \geq 25: MTH 138, 135, 130, 103, 102, 101

ACT Math \geq 23: MTH 135, 130, 103, 102, 101

ACT Math \geq 22: MTH 130, 103, 102, 101

ACT Math \geq 20: MTH 103, 102, 101

ACT Math \leq 19: MTH 101

Placement using SAT math sub score:

Score: Placement

SAT Math \geq 640: MTH 340, 287, 261, 215, 181, 138, 135, 130, 103, 102, 101

SAT Math \geq 620: MTH 340, 287, 215, 181, 138, 135, 130, 103, 102, 101

SAT Math \geq 600: MTH 287, 181, 138, 135, 130, 103, 102, 101

SAT Math \geq 580: MTH 138, 135, 130, 103, 102, 101

SAT Math \geq 540: MTH 135, 130, 103, 102, 101

SAT Math \geq 520: MTH 130, 103, 102, 101

SAT Math \geq 480: MTH 103, 102, 101

SAT Math \leq 460: MTH 101

Pre-engineering

The Department of Mathematics and the Department of Physics, Astronomy, and Materials Science jointly offer a two-year pre-engineering program. Transfer to almost any engineering school from this program is possible, since most pre-engineering programs cover the same background material during the first two years. Students should check with the engineering school of their choice for details. Typical course schedules for several of the different engineering specialties can be obtained from the office of either department. Both departments share student advisement for all pre-engineering areas. Most students select a major in one of the two departments. 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 minor 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

(as of July 23, 2013)

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](#)

[Lynda M. Plymate, 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 professor

[Mark Wayne Rogers, PhD](#)

Assistant professors

[Adam Harbaugh, PhD](#)

[Thomas J. Towell, MS \(West Plains Campus\)](#)

[Abel Jerry Trick, MEd \(West Plains Campus\)](#)

[Matthew Wright, PhD](#)

[Songfeng Zheng, PhD](#)

Senior instructors

[Pamela J. Henson, MEd](#)

[Donna N. Sherrill, MEd](#)

Instructors

[Patti A. Blanton, MEd](#)

[Robert S. Brown, BS](#)

[Sylvia Carr, MEd](#)

[Mark E. Gann, MEd](#)

[Jennifer L. Pursley, MS](#)

[Carolyn Shand-Hawkins, MS](#)

[Gary L. Stafford, MA](#)

[Linda R. Sun, MS](#)

Emeritus professors

[David I. Ashley, PhD](#)

Earl E Bilyeu, MA

[Larry N. Campbell, DA](#)

[Wallace F. Davis, MEd](#)

James R. Downing, MS

[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 (West Plains)

[Clyde A. Paul, EdD](#)

[Clayton C. Sherman, PhD](#)

[Woodrow Sun, PhD](#)

William Sutherland, PhD

Joe L. Wise, MEd

[Xiang Ming Yu, PhD](#)

[Liang-Cheng Zhang, PhD](#)

Emeritus instructors

[Gay F. Ellis, MA](#)

[Mark E. Gann, BS](#)

[Beverly Weatherwax, MS](#)

Mathematics Courses

Mathematics (MTH) courses

MTH 101 Intermediate Algebra I

This course is recommended for students who have not mastered algebra concepts needed for college algebra. Topics include linear equations and inequalities, absolute value equations and inequalities, exponents, polynomials, rational expressions, and radicals. A student who takes MTH 103 and MTH 101 receives credit toward graduation for only one of these courses. This course will not count toward a mathematics major or minor. A grade of "C" or better is required in this course to take MTH 102. This course may not be taken Pass/Not Pass.

Credit hours: 2 **Lecture contact hours:** 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

[Projected offerings](#)

MTH 102 Intermediate Algebra II

Prerequisite: "C" grade or better in MTH 101, or appropriate placement score.

This course is a continuation of MTH 101. Topics include quadratic equations and inequalities, lines, systems of equations, parabolas, circles, and functions. A student who takes MTH 103 and MTH 102 receives credit toward graduation for only one of these courses. This course will not count toward a mathematics major or minor. A grade of "C" or better is required in this course to take MTH 130, MTH 135, or MTH 138. This course may not be taken Pass/Not Pass.

Credit hours: 2 **Lecture contact hours:** 1 **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. A student cannot receive credit toward graduation for both the MTH 101-102 sequence and MTH 103. This course will not 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. This course may not be taken Pass/Not Pass.

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 102 or MTH 103 or approved score on a departmental placement test.

General Education Course (Basic Required Courses). 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. May not count towards a mathematics major or minor. May not 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

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 credit 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,

[Projected offerings](#)**MTH 135 College Algebra**

Prerequisite: "C" grade or better in MTH 102 or MTH 103, or appropriate placement score.

MTH 130 does not meet the prerequisite for MTH 135. General Education Course (Basic Required Courses). Contents include the study of linear and quadratic equations; inequalities and their applications; polynomial, rational, exponential and logarithmic functions; and systems of equations. A student who takes MTH 135 and MTH 138 receives credit toward graduation for MTH 138 only. This course will not count toward a mathematics major or minor. A grade of "C" or better is required in this course to take MTH 181, MTH 285, or MTH 287. May not 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 102 or MTH 103 (Recommended: "B" grade or better in MTH 102 or MTH 103), or appropriate placement score.

General Education Course (Basic Required Courses) Selected topics in algebra and trigonometry to prepare the student for calculus. A student who takes MTH 135 and 138 receives credit toward graduation only for one of the courses. Will not count toward 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. This course may not 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 (Basic Required Courses). Triangle trigonometry and its applications; trigonometric and inverse trigonometric functions; trigonometric identities and equations; Rational, exponential and logarithmic functions. A student may not receive credit for more than one of MTH 138 and 181. Will not count toward mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 287. This course may not 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 approved calculus course or appropriate placement score.

General Education Course (Basic Required Courses). 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 (Basic Required Courses). Analytic

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 533.

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](#)

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, 288. This course may not 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.

General Education Course (Basic Required Courses). Applications of integration, integration techniques, indeterminate forms, improper integrals, sequences, series, conic sections, parametrization, polar coordinates. This course may not 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.

General Education Course (Basic Required Courses). Short review of algebra; absolute value and inequalities followed by elements of geometry, limits, the derivative, anti-derivative, and their applications. Student taking MTH 285 and 261 receives credit only for 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 (Basic Required Courses). Introduction to the concepts and methods of analytic geometry and differential and integral calculus with emphasis on applications in the natural sciences and technology. Students taking MTH 287 and MTH 261 receive credit only for MTH 261. A student can receive credit for only one of the courses MTH 285 or MTH 287. A grade of "C" or better is required in this course in order to take MTH 288. This course may not 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.

General Education Course (Basic Required Courses). Continuation of MTH 287. Students taking both MTH 288 and MTH 280 receive credit only for MTH 280. This course may not 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. Will not count toward a mathematics major or minor, nor will it satisfy the general education basic skills

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 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.

requirement in mathematics.

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

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

MTH 633 Linear Algebra I

Prerequisite: MTH 280 and MTH 315.

Vector spaces, linear independence, inner product spaces, linear transformations, Eigenvectors, diagonalization. May be taught concurrently with MTH 533. Cannot receive credit for both MTH 533 and MTH 633.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MTH 634 Linear Algebra II

Prerequisite: MTH 533 or MTH 633.

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 532 or MTH 632 or MTH 533 or MTH 633.

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

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 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. Will not count toward mathematics major or minor. A student may not 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](#)

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,

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-based 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 B.S. in Education (Middle/Secondary). A grade of "C" or better is required in this course in order to take MTH 493. May not 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: 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 B.S. in Education (Secondary). A grade of "C" or better is required in this course in order to take MTH 493. May not 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

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 533 or MTH 633.

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

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](#)

[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 L_p 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 533 or MTH 633.

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 493 Supervised Teaching (Secondary Mathematics)

Prerequisite: MTH 409; MTH 410; 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 mathematics 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: Fall, Spring

[Projected offerings](#)

MTH 494 Supervised Teaching (Secondary Mathematics)

Prerequisite: concurrent enrollment in MTH 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](#)

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 MOSTEP quality indicators and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on B.S. in Education or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, BSE 499, 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.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, Spring

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 533 or MTH 633.

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

[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.

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 532 Introduction to Abstract Algebra

Prerequisite: MTH 302 and MTH 315.

It is recommended that students not take MTH 532 before taking MTH 533. 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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Fall

[Projected offerings](#)

MTH 533 Linear Algebra I

Prerequisite: MTH 280 and MTH 315.

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 M.S. Mathematics program or the M.S.Ed. 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 M.S. Mathematics program or the M.S.Ed. 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 M.S. Mathematics program or the M.S.Ed. 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 M.S. Mathematics program or the M.S.Ed. 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.

Vector spaces, linear independence, inner product spaces, linear transformations, Eigenvectors, diagonalization. May be taught concurrently with MTH 633. Cannot receive credit for both MTH 633 and MTH 533.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall, Spring

[Projected offerings](#)

MTH 534 Linear Algebra II

Prerequisite: MTH 533.

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 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 532 or MTH 533.

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.

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](#)

This course cannot be used within the M.S. Mathematics program or the M.S.Ed. 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. May not be counted toward the Master of Science in Education 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](#)

Mathematics

Major(s)

Mathematics (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (34 hours)
 1. [MTH 261](#)(5), [280](#)(5), [302](#)(3), [315](#)(3), [497](#)(1), [503](#)(3), [532](#)(3), [533](#)(3), [540](#)(3)
 2. Select an additional course from: [MTH 303](#)(3), [421](#)(3), [575](#)(3), or from mathematics courses numbered 400 or higher. Minimum for major is 34 hours.
 3. Course required from related area: [CSC 121](#)(3) or [125](#)(4) or [131](#)(4)
- C. Minor Required (or second major)
- 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

Mathematics (Non-Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 1. [MTH 261](#)(5), [280](#)(5), [302](#)(3), [303](#)(3), [315](#)(3), [497](#)(1), [503](#)(3), [532](#)(3), [533](#)(3), [540](#)(3)
 2. 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)
 3. Courses required from related areas: [CSC 125](#)(4) or [131](#)(4); [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 - see [General Baccalaureate Degree Requirements](#) section of catalog

Mathematics (Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements (56 hours)
 1. [MTH 261](#)(5), [280](#)(5), [302](#)(3), [303](#)(3), [315](#)(3), [497](#)(1), [503](#)(3), [532](#)(3), [533](#)(3), [540](#)(3); [MTH 421](#)(3) or [541](#)(3)
 2. 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. Minimum for major is 53 hours.
 3. Courses required from related areas: [CSC 125](#)(4) or [131](#)(4); [PHY 203](#)(5) (PHY 203 may partially fulfill the natural world general education requirement.)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 master's degree in mathematics

Eligible Missouri State undergraduate students majoring in Mathematics may apply for preliminary acceptance into the Master of Science degree in Mathematics after admission requirements for the accelerated master's program have been satisfied. If accepted, a maximum of six hours of approved graduate-level courses may be counted toward both the undergraduate and graduate degree (Mixed Credit). 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.

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 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.

Mathematics Education

Major(s)

Mathematics

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 1. [MTH 261](#)(5), [280](#)(5), [302](#)(3), [315](#)(3), [345](#)(3), [460](#)(3), [497](#)(1), [532](#)(3), [533](#)(3), [575](#)(3)
 2. Select two courses from: [MTH 503](#)(3), [536](#)(3), [540](#)(3), [567](#)(3)
 3. Courses required from related areas: [CSC 121](#)(3) or [125](#)(4) or [131](#)(4); [PHY 123](#)(4) or [203](#)(5)
- C. Professional Education Requirements
 1. [MTH 409](#)(3), [410](#)(3), [493](#)(5-6), [494](#)(5-6)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

Accelerated master's degree in secondary education/mathematics

Eligible Missouri State undergraduate students majoring in BSEd Mathematics may apply for preliminary acceptance into the Master of Science in Education degree in Secondary Education/Mathematics after admission requirements for the accelerated master's program have been satisfied. If accepted, a maximum of six hours of coursework from among MTH 603, MTH 636, MTH 640 and MTH 667 taken after admission into the program may be counted toward both the undergraduate and graduate degree (Mixed Credit). 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.

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 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 Physics, Astronomy and Materials Science

Programs

Includes accelerated master's option

Undergraduate

[Astronomy](#) (Minor)

[Physics](#) (BS, Minor)

[Environmental Physics Technology](#) (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)

Accreditation

- Missouri Department of Elementary and Secondary Education – Physics Education (BSEd), and Secondary Education/Physics (MSEd)
- National Council for Accreditation of Teacher Education – Physics Education (BSEd), and Secondary Education/Physics (MSEd)

General information

Pre-engineering program

The Department of Physics, Astronomy, and Materials Science and the Department of Mathematics jointly offer a two-year pre-engineering program. Transfer to almost any engineering school from this program is possible, since most pre-engineering programs cover the same background material during the first two years. Students should check with the engineering school of their choice for details. Typical course schedules for several of the different engineering specialties can be obtained from the office of either department. Both departments share student advisement for all pre-engineering areas. Most students select a major in one of the two departments. 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 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

Contact

Department head

David M. Cornelison, PhD

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Courses taken more than 10 years before graduation are subject to review and possible rejection by the department faculty.

Credit by examination

Credit by Examination is available. Refer to the [Credit by Examination website](#) for available course credit and required minimum scores.

Physics, Astronomy, and Materials Science Faculty

(as of July 23, 2013)

Distinguished professor

[Ryan E. Giedd, PhD](#)

Professors

[David M. Cornelison, PhD](#)

[Kartik Ghosh, PhD](#)

[Shyang Huang, PhD](#)

[Kandiah Manivannan, PhD](#)

[Robert A. Mayanovic, PhD](#)

[Saibal Mitra, PhD](#)

[Robert S. Patterson, PhD](#)

[Emmett R. Redd, PhD](#)

[Michael D. Reed, PhD](#)

[William E. Thomas, PhD](#)

[Robert J. Whitaker, PhD](#)

Associate professor

[Lifeng Dong, PhD](#)

Senior instructor

[Cheryl P. Wrinkle, PhD](#)

Instructor

[Rebecca Baker, MS](#)

Emeritus professors

Betty L. Bitner, EdD

David L. Carleton, MS

Howard M. Petefish, PhD

[Bruno F. Schmidt, PhD](#)

[Robert E. Thurman, PhD](#)

[George W. Wolf, PhD](#)

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 113 Modern Astronomy

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.

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 (Natural World).

Historical and descriptive aspects of astronomy; topics of current interest related to space science. Cannot receive credit for both AST 114 and 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 (Natural World).

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. Cannot receive credit for both AST 114 and 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

AST 317 Our Universe, the Final Frontier

Prerequisite: 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. Cannot receive credit for both AST 317 and AST 517.

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 114 or 115; and MTH 303.

Formation of planetary systems, planetary dynamics, and comparative planetology. Project required. Cannot receive credit for both AST 313 and AST 513. May be taught concurrently with AST 613. Cannot receive credit for both AST 613 and AST 513.

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 114 or 115; and MTH 303.

Basic concepts of stellar structure, atmospheres, and evolution. Project required. Cannot receive credit for both AST 315 and AST 515. May be taught concurrently with AST 615. Cannot receive credit for both AST 615 and AST 515.

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 114 or 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. Cannot receive credit for both AST 317 and AST 517. May be taught concurrently with AST 617. Cannot receive credit for both AST 617 and AST 517.

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 114 or AST 115; and MTH 303.

Formation of planetary systems, planetary dynamics, and comparative planetology. Project required. Cannot receive credit for both AST 313 and AST 613. May be taught concurrently with AST 513. Cannot receive credit for both AST 513 and AST 613.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall (odd-numbered years)

[Projected offerings](#)

[Projected offerings](#)**AST 313 The New Solar Systems**

Prerequisite: AST 114 or AST 115; 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. Cannot receive credit for both AST 313 and AST 513.

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 114 or 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. Cannot receive credit for both AST 315 and AST 515.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0
Typically offered: Spring (odd-numbered years)

[Projected offerings](#)

AST 615 Stellar Structure and Evolution

Prerequisite: AST 114 or AST 115; and MTH 303.

Basic concepts of stellar structure, atmospheres, and evolution. Project required. Cannot receive credit for both AST 315 and AST 615. May be taught concurrently with AST 515. Cannot receive credit for both 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 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. Cannot receive credit for both AST 317 and AST 617. May be taught concurrently with AST 517. Cannot receive credit for both 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](#)

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

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.

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.

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](#)

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0

Typically offered: Fall

[Projected offerings](#)

Physics (PHY) courses

PHY 100 Survey of Physics with Laboratory

General Education Course (Natural World).

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 (Natural World). 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: eligibility for enrollment in MTH 261; and CIS/CSC 101 or CSC 111.

General Education Course (Natural World). 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

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](#)

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.

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.

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

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 Kirchoff'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 (Natural World). 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

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.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2
Typically offered: Fall, Spring
[Projected offerings](#)

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: 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: Spring

[Projected offerings](#)

PHY 252 Introduction to Circuit Analysis

Prerequisite: MTH 280.

A study of Kirchoff'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

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.

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](#)

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. Credit may not be applied toward the Master of Science 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 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 114](#) was taken; [PHY 123](#)(4), [124](#)(4), [386](#)(1), [486](#)(1)

Environmental Physics Technology

Minor(s)

Environmental Physics Technology

Bachelor of Science

A. [PHY 123](#)(4), [124](#)(4), [351](#)(3), [373](#)(3)

B. [CHM 105](#)(5) or [160](#)(4); [GRY 135](#)(4)

Physics

Major(s)

Physics (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
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. Select one of the following option areas:
 - a. **Astronomy and Astrophysics:** [AST 114\(4\)](#) or [115\(4\)](#); and select two courses from: [AST 311\(3\)](#), [313\(3\)](#), [315\(3\)](#), [317\(3\)](#)
 - b. **Engineering and Applied Physics:** [CSC 125\(4\)](#); [PHY 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 476\(3\)](#), [575\(3\)](#)
 3. Related Requirements: [MTH 280\(5\)](#), [302\(3\)](#), [303\(3\)](#)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 master's degree in materials science

Eligible Missouri State undergraduate students majoring in Physics may apply for preliminary acceptance into the Master of Science program in Materials Science after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of nine credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). Students who successfully complete this program can obtain a Bachelor of Science degree in Physics (with Materials Physics option) and a Master of Science degree in Materials Science within five years.

This challenging option is for students who have a strong interest in becoming experts in electronic materials. This includes the fields of Solid State Physics, Photonics, Opto-electronics, Nanomaterials, Electrical Engineering, and Computer Engineering. While not essential for eventual admission to the program, it is strongly recommended that, as freshmen, students contact the department head for permission to become involved in the program. This will allow for appropriate advisement during the undergraduate years. 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.

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 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.

Physics Education

Major(s)

Physics Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
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 [CHM 160\(4\)](#) 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\(3\)](#)
- C. Professional Education Courses (37 hours)
1. [SCI 214\(1\)](#), [314\(3\)](#), [414\(3\)](#), [493\(6\)](#), [494\(6\)](#)
 2. Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; 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. All GPA requirements include both Missouri State and transfer grades.

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 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.

William H. Darr School of Agriculture

Programs

Includes accelerated master's option

Undergraduate

[Agricultural Business](#) (BS, Minor)

[Equine Studies](#) (Minor)

[Agriculture Education](#) (BSEd, Minor)

[General Agriculture](#) (BAS, BS, Minor)

[Agronomy](#) (Minor)

[Horticulture](#) (Minor)

[Animal Science](#) (BS, Minor)

[Natural Resources](#) (BS)

[Environmental Plant Science](#) (BS)

[Wildlife Conservation and Management](#) (BS)

Graduate

[Natural and Applied Science with an emphases in Agriculture, and in Plant Science](#) (MNAS)

[Plant Science](#) (MS)

[Secondary Education with option in Agriculture](#) (MSEd)

Accreditation

- Missouri Department of Elementary and Secondary Education – Agriculture Education (BSEd), Technology Education (BSEd), and Secondary Education/Agriculture (MSEd)
- National Council for Accreditation of Teacher Education – Agriculture Education (BSEd), Technology Education (BSEd), and Secondary Education/Agriculture (MSEd)

General information

Center for Grapevine Biotechnology

The [Center](#) explores genetic resources and identifies health-promoting compounds in diverse grapevine species for securing the profitability and sustainability of the grape and wine industry and for improving human health.

Darr Agricultural Center

Missouri State's [William H. Darr Agricultural Center](#), located on a 100-acre site in southwest Springfield, is a unique asset that supports the School 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

Contact

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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 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.

Pre-professional curriculum in veterinary medicine

Students considering the [Pre-Veterinary Program](#) should consult with the Pre-Veterinary advisor in the Darr School 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:

- A. CHM 160(4), 161(1), 170(3), 171(1), 200(5), and 350(3)
- B. COM 115(3); ENG 110(3); MTH 138(5), or 135(3) and 181(3); PHY 123(4) and 124(4)
- C. 10 hours of biological sciences are recommended: BIO 210(3) or 310(5), and 380(5)
- D. Additional 10 hours of coursework in the social sciences and humanities

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.

- A. General Education Requirements (43-51 hours)
- B. 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)
- C. 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.*

William H. Darr School of Agriculture Faculty

(as of July 23, 2013)

Professors

[W. Anson Elliott, PhD](#)

[Arbindra Rimal, PhD](#)

[Dennis Schmitt, PhD, DVM](#)

[Pamela Trewatha, PhD](#)

[Gary W. Webb, PhD](#)

Research professors

[Martin L. Kaps, PhD](#)

[Wenping Qiu, PhD](#)

Associate professors

[Clydette M. Alsup-Egbers, PhD](#)

[Michael G. Burton, PhD](#)

[James B. Hutter, PhD](#)

[Benjamin M. Onyango, PhD](#)

[Elizabeth L. Walker, PhD](#)

Associate research professors

[Chin-Feng Hwang, PhD](#)

[Maciej A. Pszczolkowski, PhD](#)

[Karl L. Wilker, PhD](#)

Assistant professor

[Melissa Hudson, ABD](#)

Senior instructor

[Susan Webb, MS](#)

Instructors

[John Avery, MS](#)

[Marilyn Odneal, MS](#)

[Christine E. Sudbrock, MS](#)

Emeritus professors

W. Gayle Ashley, MS

[Ben D. Fuqua, PhD](#)

Robert F. Glenn, PhD

Lyndon N. Irwin, PhD

[Harry R. James, PhD](#)

R. Bruce Johnson, PhD

Vernon E. Renner, PhD

[Michael P. Roling, PhD](#)

[Jon H. Wiggins, EdD](#)

Emeritus research professors

James F. Moore, Jr., PhD

Howard G. Townsend, Jr., PhD

William H. Darr School of Agriculture 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

AGB 444 American Agricultural Policy

Recommended Prerequisite: AGB 144. Description and analysis of economic problems of U.S. Agriculture. History and significance of government programs to support farm prices and incomes, conserve land resources, encourage adequate food supplies and expand U.S. agricultural trade.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Spring

[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

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](#)

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 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](#)

Agricultural Education (AGE) courses

AGE 318 Introduction to Agricultural Education

Recommended Prerequisite: 30 credit 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.

Student observes then teaches agriculture classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities

AGE 578 Methods of Teaching Agricultural Management

Prerequisite: AGE 318 and AGE 558 and 60 credit 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 credit 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](#)

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 MOSTEP quality indicators 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, BSE 499, 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.

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. Credited only on B.S. in Education (Secondary). 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](#)

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 B.S. in Education (Secondary). A grade of "C" or better is required in this course in order to take AGE 493 or AGE 494. May not 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 credit 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 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](#)

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

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

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: 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 105 or CHM 106 or CHM 107 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:** 2 **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 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. 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](#)

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.

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.

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 605 Advanced Soil Fertility

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.

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

AGP 575 Plant Breeding and Genetics

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.

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 102 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 102 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 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 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 783. Cannot receive credit for both AGP 583 and AGP 783.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall

[Projected offerings](#)

AGP 584 Insect Identification

Recommended Prerequisite: AGR 583 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: AGP 103 or AGN 115 or AGN 365 or AGN 375; and either BIO 102 or BIO 121; and either CHM 105 or CHM 106 or CHM 107 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 641 Advanced Vegetable Production

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 102

Recommended Prerequisite: AGP 103 or BIO 102 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.

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 102 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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

AGP 375 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.

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 102 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 701.

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

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.

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 105 or CHM 106 or CHM 107 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 663 Advanced Greenhouse Production

Recommended Prerequisite: AGP 103. Factors involved in construction and management of greenhouses and other controlled-environment structures for production of floriculture and food crops. Sustainable production methods are emphasized. 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 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 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 M.S. degree.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, Spring, Summer

[Projected offerings](#)

AGP 701 Advanced Pomology

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 701 and AGP 393.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Fall

[Projected offerings](#)

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 102 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.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Spring

[Projected offerings](#)

AGP 453 Crop Physiology

Recommended Prerequisite: AGP 103 or BIO 102; 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.

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 375; and either BIO 102 or BIO 121; and either CHM 105 or CHM 106 or CHM 107 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 credit 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 high tunnels, and production and management of floriculture crops. Sustainable production methods are emphasized. Supplemental course fee. May be taught concurrently with

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

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 102 or BIO 121; CHM 105 or CHM 106 or CHM 107 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](#)

plants.

Credit hours: 3 **Lecture contact hours:** 3 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

AGP 783 Advanced 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 783 and AGP 583.

Credit hours: 3 **Lecture contact hours:** 2 **Lab contact hours:** 2

Typically offered: Fall

[Projected offerings](#)

Agriculture (General) (AGR) courses

AGR 100 Food Security

General Education Course (Culture and Society/Social Sciences Perspective).

An examination of politics 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 Department 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

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 383 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:** 2 **Lab contact hours:** 2

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 105 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 School 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 CEP 101/UHC 110.

Credit hours: 1 **Lecture contact hours:** 1 **Lab contact hours:** 0

Typically offered: Fall, Spring

Typically offered: Fall, 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 credit 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 credit 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 583 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](#)

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.

[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 II: Writing in the Applied Sciences

Prerequisite: ENG 110 and 45 credit hours.

General Education Course (Basic Required Courses). 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; and either CIS/CSC 101 or CSC 111. 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. A student may not 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](#)

Animal Science (AGS) courses

AGS 101 Animal Science

Introduction to farm animal industries, breeds, numbers, distribution, nutrition, heredity, reproduction, health and products.

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](#)

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 minimum 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](#)

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

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 may not be taken concurrently with AGS 263 or AGS 363. May be repeated for a total of 2 hours.

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 may not be taken concurrently with AGS 264 or AGS 364. May be repeated for a total of 2 hours.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring, Summer

[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

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 may not be taken concurrently with AGS 163 or AGS 263. May be repeated for a total of 2 hours.

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 may not be taken concurrently with AGS 164 or AGS 264. May be repeated for a total of 2 hours.

Credit hours: 1 **Lecture contact hours:** 0 **Lab contact hours:** 2

Typically offered: Fall, Spring, Summer

[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

Recommended 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: AGS 311. Applications of the principles of nutrition, physiology and genetics to sheep and goat management. Wool and mohair production.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Upon demand

[Projected offerings](#)

AGS 442 Swine Science

Recommended Prerequisite: AGS 311. Applications of the

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 may not be taken concurrently with AGS 163 or AGS 363. May be repeated for a total of 2 hours.

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 may not be taken concurrently with AGS 164 or AGS 364. May be repeated for a total of 2 hours.

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 102 and CHM 105. 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 102. 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: Spring

[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 105 or CHM 106 or CHM 107 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

principals of nutrition, physiology and genetics of swine management.

Credit hours: 2 **Lecture contact hours:** 2 **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; 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 641.

Credit hours: 2 **Lecture contact hours:** 2 **Lab contact hours:** 0

Typically offered: Spring

[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: Recommended: AGR 300 or CHM 200 or CHM 310.

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](#)

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 105 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 105 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 611 Animal Nutrition and Metabolism

Recommended Prerequisite: AGR 300 or CHM 200 or CHM 310. 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: 2 **Lecture contact hours:** 2 **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](#)

Agricultural Vocational (AGV) courses

AGV 520 Occupational Analysis

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. Identical with BSE 520. 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

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 and BSE 622. May be repeated to a maximum

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 and BSE 522. May be repeated to a maximum of 3 credit 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. Identical with BSE 523. 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 BSE 526 and 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

of 3 credit 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. Identical with BSE 623. 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 BSE 626 and 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 BSE 628 and 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](#)

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 BSE 528 and 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. Identical with BSE 620. 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 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](#)

Agricultural Business

Major(s)

Agricultural Business (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [CHM 105](#)(5) or [106](#)(4) or [107](#)(4) or [160](#)(4); [MTH 135](#)(3) or [MTH 138](#)(5) or higher; [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 one of the following options:
 - a. **Agricultural Enterprise Management** (18 hours):
 1. [AGB 344](#)(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](#)(2), [446](#)(3), [451](#)(3), [452](#)(3), [461](#)(2), [511](#)(3); [AGP 365](#)(3) or [375](#)(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), [375](#)(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); [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), [375](#)(3), [485](#)(3), [583](#)(3); [AGR 383](#)(3), [AGS 311](#)(3)
 - c. **Agricultural Marketing and Sales** (16 hours):
 1. [AGB 344](#)(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), [375](#)(3), [485](#)(3), [583](#)(3); [AGR 383](#)(3); [AGS 311](#)(3)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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), [584](#)(3)

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

Agriculture Education

Major(s)

Agriculture Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 102](#)(4); [CHM 105](#)(5) or [106](#)(4) or [107](#)(4) or [160](#)(4); [MTH 130](#)(3) or higher; [PSY 121](#)(3); [GEP 101](#)(2) or [UHC 110](#)(2) or [AGR 301](#)(1)
- B. Major Requirements
- [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); [AGP 303](#)(3) or [AGP 333](#)(3) or [AGP 543](#)(3); [AGS 101](#)(4)
 - [AGE 318](#)(2), [568](#)(3), [578](#)(2), [588](#)(2)
 - 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.
- C. Professional Education courses
- [AGE 558](#)(3), [493](#)(5-6), [494](#)(5-6)
 - Professional Education Required Core and Competencies - see [Teacher Certification, Teacher Education Program and Secondary Education Requirements](#) section of catalog
- D. 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; as well as the requirements for Secondary Education. Refer to the [Teacher Education Program](#) section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog
- F. 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: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

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 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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary

acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

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), [375](#)(3), [583](#)(3), [485](#)(3), [575](#)(2); [AGR 300](#)(3)

Animal Science

Major(s)

Animal Science (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 102](#)(4) or [121](#)(4); [CHM 105](#)(5) or [106](#)(4) or [107](#)(4) or [160](#)(4); [MTH 130](#)(3) or higher; [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); [AGN 215](#)(3); [AGP 365](#)(3) or [375](#)(3); [AGR 300](#)(3), [490](#)(1); [AGS 101](#)(4), [301](#)(3), [302](#)(3), [310](#)(3), [311](#)(3), [316](#)(3)
 2. 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](#)(2), [442](#)(2), [446](#)(3), [451](#)(3), [452](#)(3), [461](#)(2), [492](#)(1-4), [511](#)(3)
 - b. Group B courses: [AGB 314](#)(3), [334](#)(3), [344](#)(3), [364](#)(2), [384](#)(2), [394](#)(1), [494](#)(1), [584](#)(3); [AGN 215](#)(3), [335](#)(3), [405](#)(3); [AGR 250](#)(2), [330](#)(3), [377](#)(3), [383](#)(3), [399](#)(1-3), [499](#)(3)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

Environmental Plant Science

Major(s)

Environmental Plant Science (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 102](#)(4) or [121](#)(4); [CHM 105](#)(5) or [106](#)(4) or [107](#)(4) or [160](#)(4); [MTH 130](#)(3) or higher; [GEP 101](#)(2) or [UHC 110](#)(2) or [AGR 301](#)(1)
- B. Core Requirements: [AGP 103](#)(3); [AGN 115](#)(3), [215](#)(3), [405](#)(3); [AGP 453](#)(3); [AGB 144](#)(3) or [ECO 155](#)(3); and [ECO 165](#)(3); [AGR 300](#)(3), [490](#)(1), [499](#)(3)
- C. Core Pest Management Requirements: [AGP 485](#)(3), [AGP 583](#)(3); [AGR 383](#)(3)
- D. Major Requirements:
- Complete one of the following options:
 - Horticulture (21-22 hours)**
 - [AGP 104](#)(1), [325](#)(3), [363](#)(3), [393](#)(3), [441](#)(3), [573](#)(3)
 - Horticulture Electives-select two courses from the following: [AGN 143](#)(3); [AGP 333](#)(3), [353](#)(3), [403](#)(3), [433](#)(2), [543](#)(3); [TCM 110](#)(3) or foreign language courses 300 level or higher.
 - Crop Science (23-26 hours)**
 - [AGB 144](#)(4); [AGN 335](#)(3), [465](#)(3)
 - Crop Production courses-select two courses from the following: [AGP 441](#)(3), [365](#)(3), [375](#)(3), [393](#)(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
 - Complete one of the following emphasis areas:
 - Business Emphasis: (11-13 hours)
 - [ACC 201](#)(3); [AGB 144](#)(4) or [ECO 155](#)(3); and [ECO 165](#)(3); [AGB 334](#)(3) or [MKT 350](#)(3)
 - Select one course from the following: [AGB 354](#)(2), [364](#)(2), [374](#)(3); [MGT 340](#)(3), [384](#)(3)
 - Science Emphasis: (10-18 hours) Select four courses from the following: [AGN 335](#)(3), [495](#)(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)
- E. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

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.

General Agriculture

Major(s)

General Agriculture (BAS)

Bachelor of Applied Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
- B. Major Requirements
 - 1. Associate of Science or Associate of Applied Science degree from an accredited institution. Contact the School of Agriculture for details.
 - 2. [AGN 115](#)(3) or [AGP 103](#)(3); [AGN 215](#) (3); [AGB 144](#)(4); [AGR 157](#)(3); [AGR 301](#)(1); [AGS 101](#)(4)
 - 3. Thirty-five credit hours of upper-division courses in agriculture
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

General Agriculture (Comprehensive) (BS)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [AGR 100](#)(3); [BIO 102](#)(4) or [121](#)(4); [CHM 105](#)(5) or [106](#)(4) or [107](#)(4) or [160](#)(4); [MTH 130](#)(3) or higher; [PSY 121](#)(3); [GEP 101](#)(2) or [UHC 110](#)(2) or [AGR 301](#)(1)
- B. Major Requirements
 - 1. [AGS 101](#)(4); [AGN 115](#)(3) or [AGP 103](#)(3); [AGN 215](#)(3); [AGB 144](#)(4); [AGR 157](#)(3); [AGR 300](#)(3) or [CHM 200](#)(5)
 - 2. Complete 3 additional hours from each of the following areas: Agriculture Business, Animal Science, Environmental Plant Science
 - 3. Complete one of the following options:
 - a. **Agricultural Communications** (27-29 hours):
 - 1. [COM 209](#)(3) or [MED 120](#)(3); [JRN 270](#)(3); [AGR 250](#)(2) or [499](#)(3-5); [AGB 394](#)(1) and [494](#)(1)
 - 2. Select an additional 16 hours of courses with ENG, MED, COM, or JRN prefixes in consultation with your advisor.
 - b. **Agriculture** (27-29 hours):
 - 1. [AGB 314](#)(3) or [AGR 250](#)(2) or [AGR 499](#)(3-5)
 - 2. Select 6 additional hours of Agriculture courses from each of the following areas: Agricultural Business, Animal Science, Environmental Plant Science, Natural Resources
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Minor(s)

General Agriculture

Bachelor of Science

- A. [AGN 115](#) or [AGP 103](#)(3), [AGB 144](#)(4), [AGS 101](#)(4)
- B. Additional hours in Agriculture to total at least 20 hours.

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

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)

Natural Resources

Major(s)

Natural Resources (Comprehensive)

Bachelor of Science

- A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 102](#)(4) or [121](#)(4); [CHM 105](#)(5) or [106](#)(4) or [107](#)(4) or [160](#)(4); [GLG 110](#)(4) or [GRY 135](#)(4) or [GRY 142](#)(4); [MTH 130](#)(3) or higher; [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. Select one course from: [AGP 441](#)(3), [353](#)(3), [365](#)(3), [375](#)(3), [393](#)(3)
 3. Select one course from: [AGB 314](#)(3) or [354](#)(2)
 4. Core pest management requirements: [AGP 583](#)(3), [485](#)(3); [AGR 383](#)(3)
 5. Select 6 hours from: [AGB 394](#)(1), [494](#)(1); [AGN 143](#)(3); [AGP 103](#)(3), [453](#)(3); [GRY 360](#)(3), [363](#)(4)
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

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 Requirements - see [General Education Program and Requirements](#) section of catalog
Specific General Education Requirements: [BIO 121\(4\)](#); [CHM 105\(5\)](#) or [160\(4\)](#); [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 [375\(3\)](#); [AGR 383\(3\)](#); [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. Select ten additional hours in Agriculture and/or Biology
- C. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

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 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.

Accelerated master's degree in plant science

Eligible Missouri State undergraduate students majoring in Agriculture, Biology, and Chemistry may apply for preliminary acceptance into the Plant Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or ornamental plants and landscaping.

This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Agriculture, Biology or Chemistry at Missouri State. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology, or Chemistry majors to potentially meet the requirements for the M.S. degree in Plant Science degree within two semesters following the completion of the undergraduate degree. 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.

Graduate College

Programs

Includes accelerated master's option

Graduate

[Administrative Studies](#) (MS)

[Individualized Studies](#) (Certificate)

Accreditation

Missouri State University is accredited to offer master's and specialist degrees and a professional doctorate degree by The Higher Learning Commission and a member of the North Central Association. The University is a member of the American Association of State Colleges and Universities, the Council of Graduate Schools in the United States, American Association of Colleges for Teacher Education, and Midwestern Association of Graduate Schools. In addition, specific graduate programs of the University are professionally accredited by the following agencies.

- AACSB International – The Association to Advance Collegiate Schools of Business
- Accreditation Review Commission on Education for the Physician Assistant (ARC-PA)
- American Speech-Language-Hearing Association
- Association for Educational Communications and Technology
- Commission on Accreditation in Physical Therapy Education
- Commission on Collegiate Nursing Education
- Council on Academic Accreditation of the American Speech-Language-Hearing Association
- Council on Accreditation of Nurse Anesthesia Educational Programs
- Council on Education of the Deaf
- Council on Social Work Education
- International Reading Association
- Missouri Department of Elementary and Secondary Education
- National Association of Schools of Music
- National Association of Schools of Public Affairs and Administration
- National Association of Schools of Theatre
- National Council for Accreditation of Teacher Education

Programs of study

- **Accountancy, Master of** (MAcc)
- **Administrative Studies** (MS) *Options: Applied Communication; Criminal Justice; Environmental Management; Homeland Security; Individualized; Project Management; Sports Management*
- **Applied Anthropology** (MS)
- **Athletic Training** (MS)
- **Audiology, Doctor of** (AuD)
- **Biology** (MS)
- **Business Administration, Master of** (MBA)
- **Cell and Molecular Biology** (MS)
- **Chemistry** (MS)
- **Communication Sciences and Disorders** (MS) *Options: Education of the Deaf and Hard of Hearing; Speech-Language Pathology*
- **Communication** (MA)
- **Computer Information Systems** (MS)

Contact

Interim dean

[Thomas E. Tomasi, PhD](#)

Office

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graduate.missouristate.edu/

- **Counseling** (MS) *Options: Elementary School Counseling; Secondary School Counseling; Mental Health*
- **Criminology and Criminal Justice** (MS)
- **Counseling and Assessment** (EdS)
- **Defense and Strategic Studies** (MS)
- **Early Childhood and Family Development** (MS)
- **Educational Administration** (MSEd) *Options: Elementary; Secondary*
- **Educational Administration** (EdS) *Options: Elementary Principal; Secondary Principal; Superintendent*
- **Educational Technology** (MSEd)
- **English** (MA) *Tracks: Creative Writing; Literature; TESOL*
- **Elementary Education** (MSEd)
- **Geospatial Sciences in Geography and Geology** (MS) *Options: Physical Geography; Environmental Geology*
- **Global Studies, Master of** (MSG) *Cognate Fields: International Economics and Business; International Relations/Comparative Politics; National Security; Public Administration*
- **Health Administration, Master of** (MHA) *Option: Executive*
- **Health Promotion and Wellness Management** (MS)
- **History** (MA) *Tracks: American Studies; Global Area Studies; U.S. and World*
- **Literacy** (MSEd)
- **Materials Science** (MS)
- **Mathematics** (MS)
- **Music, Master of** (MM) *Concentrations: Conducting; Music Education; Music Pedagogy; Music Theory and Composition; Performance*
- **Natural and Applied Science, Master of** (MNAS)
- **Nurse Anesthesia** (MS)
- **Nursing, Master of Science in** (MSN) *Option: Nurse Educator*
- **Nursing Practice, Doctor of** (DNP) *Options: Post-master's, BSN to DPN*
- **Physical Therapy, Doctor of** (DPT)
- **Physician Assistant Studies** (MS)
- **Plant Science** (MS)
- **Project Management** (MS)
- **Psychology** (MS) *Options: Clinical; Experimental; Industrial/Organizational*
- **Public Administration, Master of** (MPA) *Concentrations: Local Government Management; Public Policy; Public Safety*
- **Public Health, Master of** (MPH)
- **Religious Studies** (MA)
- **Secondary Education** (MSEd) *Options: Agriculture; Art; Biology; Business; Chemistry; Earth Science; English; Family and Consumer Sciences; Geography; History; Mathematics; Natural Science; Physical Education; Physics; Social Science; Speech and Theatre*
- **Student Affairs in Higher Education** (MS)
- **Special Education** (MSEd) *Options: Autism Spectrum Disorders; Blindness and Low Vision; Developmental Disabilities; Orientation and Mobility; Special Education Alternative Certification Track*
- **Social Work, Master of** (MSW)
- **Teaching, Master of Arts in** (MAT)
- **Theatre** (MA)
- **Writing** (MA) *Tracks: Rhetoric and Composition; Technical and Professional Writing*

Accelerated master's programs

The Accelerated master's degree option provides a transition that enables outstanding undergraduate students to begin taking graduate course work in their junior or senior year and thus combine components of the undergraduate and graduate curriculum. Students must apply and be accepted to the accelerated master's program by the department and the Graduate College before enrolling for any courses to apply to the graduate degree.

Students admitted into an approved accelerated master's degree program may have a limited number of graduate-level courses counted toward both the undergraduate and graduate degree. Before enrolling in a course to be counted as both undergraduate and graduate credit (mixed credit), an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, department head of the undergraduate program, and 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). A maximum of 12 credit hours may be taken as Mixed Credit, but many programs have lower limits. Under the accelerated master's degree option, a student will be fully admitted to the Graduate College upon completion of the requirement of the bachelor's degree. Undergraduate students interested in the accelerated master's opportunity should contact their department or the Graduate College (417) 836-5331 to determine admission requirements and procedures.

The following accelerated master's programs are offered:

- **Accountancy** (MAcc)
- **Applied Anthropology** (MS)
- **Biology** (MS)
- **Business Administration** (MBA)
- **Cell and Molecular Biology** (MS)
- **Chemistry** (MS)
- **Communication** (MA)
- **Communication Sciences and Disorders, Option in Education of Deaf and Hard of Hearing** (MS)
- **Criminology and Criminal Justice** (MS)
- **Early Childhood and Family Development** (MS)
- **Elementary Education** (MSEd)
- **Geospatial Sciences in Geography and Geology** (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)
- **Nursing/Nurse Educator Option** (MSN)
- **Plant Science** (MS)
- **Project Management** (MS)
- **Public Administration** (MPA)
- **Public Health** (MPH)
- **Religious Studies** (MA)
- **Secondary Education/History** (MSEd)
- **Secondary Education/Mathematics** (MSEd)
- **Special Education, Option in Autism Spectrum Disorders** (MSEd)
- **Theatre** (MA)
- **Writing, Technical/Professional Writing Track** (MA)

Graduate certificate programs

Certificate programs are designed for those who want 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. Students completing these certificate programs will have that completion status reflected on their official transcript. Although certificates may be earned independent of a graduate degree program, the course work in some certificates can be utilized in conjunction with obtaining a master's degree, simultaneously or later. As noted in the list, two of the certificate programs require a previously earned master's degree. Specific details on each program are published in the Graduate Catalog.

The following graduate-level certificate programs are offered:

- **Autism Spectrum Disorders** (18 hours) Department of Counseling, Leadership, and Special Education
- **Conflict and Dispute Resolution** (16 hours) Department of Communication
- **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
- **Educational Technology Specialist** (16-17 hours) Department of Reading, Foundations, and Technology
- **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
- **History for Teachers** (15 hours) Department of History
- **Homeland Security and Defense** (12 hours) College of Humanities and Public Affairs
- **Individualized Studies** (12 hours) Graduate College
- **Orientation and Mobility** (18 hours) Department of Counseling, Leadership, and Special Education
- **Ozarks Studies** (15 hours) Department of English
- **Nurse Educator, Post-Master's** (12 hours) Department of Nursing
- **Project Management**(12 hours) Department of Technology and Construction Management
- **Public Management** (18 hours) Department of Political Science
- **Religious Studies for the Professions** (12 hours) Department of Religious Studies
- **Screenwriting for Television and Film** (12 hours) Department of Media, Journalism & Film
- **Sports Management** (18 hours) Department of Kinesiology
- **Tax Accounting** (12 hours) School of Accountancy
- **Teaching English to Speakers of Other Languages** (15 hours) Department of English

Cooperative programs

Missouri State University collaborates in a cooperative program with the University of Missouri-Columbia leading to a Doctorate in Educational Leadership. A major part of the course work is taken at Missouri State. The degree is conferred and diploma issued by the University of Missouri-Columbia.

Missouri State also collaborates with the University of Missouri-Columbia to provide access to Missouri State courses that can be applied to the Master of Arts in Library and Information Science, an ALA-accredited program offered by UM-C. Students pursuing the UM-C degree enroll through MUDirect. For more information on this collaborative arrangement, contact the Department of Library Science, (417) 836-4529.

The Master of Arts in Teaching degree offered by Missouri State University is offered from both the Springfield campus and the Joplin Graduate Center on the campus of Missouri Southern State University. The Joplin-based program has been developed through a Missouri State University-Missouri Southern State University partnership. Students completing the program through the Joplin Graduate Center will receive their degree from Missouri State University and their diploma will bear the names of both institutions.

Graduate College programs

While most of the graduate programs are associated with a specific academic department or college, the MS degree in Administrative Studies is an interdisciplinary program that is administered by the Graduate College. The program offers six options – Applied Communication, Criminal Justice, Environmental Management, Project Management, Sports Management, and Individualized. Refer to the [Graduate Catalog](#) for more information.

University certificate

Individualized Studies

The Individualized Studies graduate certificate, offered by the Graduate College, is a 12 hour program and provides a graduate-level experience for those who find formally designed options from existing programs do not meet their unique, creative, and professional needs, or those seeking growth and advancement within their vocations. The certificate program allows students to expand their knowledge and experiences consistent with their professional goals and objectives in one or more areas. Refer to the [Graduate Catalog](#) for more information.

Admission requirements

A completed application for admission form (available online) and the \$35 application fee are required. Refer to the [Graduate Catalog](#) for more information. Graduate College admission requirements include the following. Additional requirements and once-a-year application deadlines may be stipulated by departments for their programs.

1. a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University; *AND* an overall grade point average of at least 2.75 on a 4.00 scale overall; *OR* at least a 2.75 grade point average on a 4.00 scale for the last 60 hours of academic course work; *OR* at least a 2.75 grade point average on a minimum of 9 hours of graduate credits; *OR* have a score of 475 or higher on either the verbal (56th percentile) or quantitative (22nd percentile) section of the Graduate Record Examination*, *AND* a score of not less than 400 (35th and 12th percentile respectively) on the other section; *OR*
2. a bachelor's degree from a college or university not accredited by an agency recognized by Missouri State University, a grade point average of at least 2.75 on a 4.00 scale overall, *OR* at least a 2.75 GPA on a 4.00 scale for the last 60 hours of academic course work; *AND* a Graduate Record Examination* score of 475 or higher on either the verbal (56th percentile) or quantitative (22nd percentile) section, *AND* a score of not less than 400 (35th and 12th percentile respectively) on the other section; *OR* a bachelor's degree from a college or university recognized by Missouri State University; *AND* an exception request from the program director to consider the application.

*Percentile rank scores on the GMAT, MAT, LSAT, or MCAT that are comparable to the stated GRE level will satisfy the minimum criterion.

Graduate transfer credit

On a case-by-case basis, graduate credit earned at other accredited institution may be accepted.

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).

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 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

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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.

Honors College Courses

(UHC) courses

UHC 110 Freshman Honors Seminar

General Education Course (Basic Required Courses).

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.

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

Credit hours: 1-3 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

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.

Global Studies Program

Programs

Includes accelerated master's option

Undergraduate

[Global Studies](#) (BA)

General Information

Administration of the program

The program is administered by the College of Arts and Letters.

Program advisors

Dr. Madeleine Hooper, Associate Dean, College of Arts and Letters; Dr. Stephen C. Berkwitz, Department of Religious Studies; and Dr. Victor Matthews, Dean, College of Humanities and Public Affairs.

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

Global Studies

Major(s)

Global Studies (Non-Comprehensive)

Bachelor of Arts

A. General Education Requirements - see [General Education Program and Requirements](#) section of catalog

B. Major Requirements (45-51 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), [490](#)(3), [510](#)(3)*; [COM 360](#)(3), [512](#)(3); [ENG 283](#)(3); [GRY 320](#)(3), [470](#)(2); [GST 400](#)(3); [IDS 397](#)(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](#)(1), [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.
- 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 Requirements for Bachelor of Arts Degree - see [Specific Bachelor of Arts Degree Requirements](#) section of catalog
- F. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Accelerated Master of Global Studies

Eligible Missouri State University majors in Global Studies, Political Science, and other relevant disciplines may apply for preliminary acceptance into the Master of Global Studies (MGS) program after admission requirements for the accelerated master's option have been satisfied. If accepted, both the undergraduate and graduate requirements for dual-listed courses (500 and 600/700 level courses) must have been fulfilled to be counted for both the undergraduate and graduate degrees (Mixed Credit). This option gives exceptional undergraduate students the opportunity to complete their bachelor's and master's degrees in ten semesters and a summer. 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.

Global Studies Courses

(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.

Credit hours: 1-6 **Lecture contact hours:** **Lab contact hours:**

Typically offered: Upon demand

[Projected offerings](#)

Interdisciplinary Studies

Programs

Includes accelerated master's option

Undergraduate

[Individualized Major](#) (BA, BS)

General Information

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.

Procedures for Seeking Candidacy

1. Complete the following General Education Basic Required Courses: [GEP 101/UHC 110](#), [CIS101/CSC 101](#) or [CSC 111](#), [COM 115](#), [ENG 110](#), [MTH 130](#) or higher, and [KIN 100](#).
2. Apply through the Academic Assistance Office, University Hall, room 122, for admission to an individualized major.
 - a. The student shall submit to the Academic Assistance Office 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 Assistance Office, 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 Assistance Office 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. Changes of schedule shall be handled by the major advisor provided the student's degree program is not altered.

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

Email

StudentSuccess@missouristate.edu

Website

www.missouristate.edu/sdpa/Individualizedmajors.htm

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. This course may not be used to satisfy general education requirements and will not count toward any major or minor offered by any department. Students may not 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 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

General Education Course (Culture and Society/Humanities Perspective).

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](#)

Individualized Major

Major(s)

Individualized Major (Comprehensive)

Bachelor of Arts

- 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
- 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

- 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
- C. Senior Project: [IDS 499\(0\)](#)
- D. General Baccalaureate Degree Requirements - see [General Baccalaureate Degree Requirements](#) section of catalog

Department of Library Science

Programs

Includes accelerated master's option

Undergraduate

[Library Science](#) (Minor)

Graduate

[Cooperative Arrangement with the University of Missouri-Columbia](#) (Program)

General Information

Cooperative Arrangement for Master of Library Science

Missouri State collaborates with the University of Missouri-Columbia to provide access to courses that can be applied to the Master of Arts in Library and Information Science, an ALA-accredited program offered by the University of Missouri-Columbia. For more information on this collaborative arrangement, contact the Missouri State Department of Library Science, (417) 836-4529.

School Library Media Certification Courses at Undergraduate Level

The department offers undergraduate courses applicable towards Missouri School Library Media Specialist certification.

School Library Media Certification Courses at Graduate Level

The department offers graduate courses applicable towards Missouri School Library Media Specialist certification. Refer to the [Graduate Catalog](#) for more information.

Contact

Department Head

Thomas A. Peters, MS in LS, MA

Office

Duane G. Meyer Library, Room 302

Phone

417-836-4525

Fax

417-836-4764

Email

LibScienceDept@Library.MissouriState.edu

Website

libraryscience.missouristate.edu

Library Science Faculty

(as of July 23, 2013)

Professors

[Donald Andrew Beisswenger, PhD](#)

[Lynn S. Cline, MA, MS 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](#)

[Dea A. Borneman, MA in LS](#)

[James A. Coombs, MA in LS, CAS](#)

[Crystal D. Gale, MLIS](#)

[Joshua D. Lambert, MLS](#)

[Andrew Lokie, MA](#)

[David E. Richards, MA, MLIS](#)

Clinical associate professor

[William B. Edgar, PhD](#)

Assistant professors

[Edward De Long, MA, MLS](#)

[Betty Evans, MA in LS](#)

[Andrea L. Miller, MA in ISLT](#)

[Byron Stewart, MA in LS](#)

[Tammy R. Stewart, MA in LS](#)

[Tracy L. Stout, MS](#)

[Raegan N. Wiechert, MA in ISLT](#)

Emeritus professors

[Neosha A. Mackey, MBA, MLS](#)

[Charlotte Dugan, MA in LS, CAS](#)

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](#)

Sarada Kotamraju, MSLS

[Neosha A. Mackey, MBA, MLS](#)

Florence Maltby, MS in LS, CAS

Julian H. Pace, MLS

[J. B. Petty, PhD](#)

[Vern Reeder, MS in LS](#)

Mary Elizabeth Reid, BS in LS

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.

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

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

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](#)

"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.

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: 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](#)

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](#)

Library Science

Minor(s)

Library Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Bachelor of Science in Education

(Non-Certifiable)

A. [LIS 101](#)(1), [500](#)(2), [504](#)(3), [506](#)(3), [508](#)(3)

B. Select six hours from: [LIS 305](#)(1), [502](#)(3), [510](#)(3), [512](#)(3), [530](#)(3), [532](#)(3), [534](#)(1), [540](#)(3), [596](#)(1-6), [597](#)(1-3), [598](#)(2), [599](#)(2-3); [ENG 334](#)(3), [336](#)(3), [338](#)(3); [EDT 365](#)(3) for a total of 18 hours.