COB Council 24/25 October 2024

Committee	College of Business College Council

Notes	

Total Proposals	2

Cybersecurity Undergraduate Certificate

2025-2026 UG Program New Form

General Catalog Information

Instructions

<u>**Complete Proposal Form**</u>

Complete all required fields, marked with an *.

Only one academic unit may be selected.

Complete the *Acknowledgement* section.

<u>**Launch Proposal**</u>

Launch proposal by clicking *Validate and Launch* at the top or bottom of the proposal. If all required fields are completed, the proposal will launch into the workflow approval process. If required fields have not been completed, a list of the missing fields will be provided. Those fields must be completed before the proposal is launched again.

Once the proposal has been launched, originators must follow the steps below to "approve" the proposal.

<u>**Approve Proposal**</u>

Make a decision (approve) by clicking the *Decisions* tab using the check mark icon in the right-side menu. **The proposal is NOT submitted until the originator approves the proposal first.**

If needed, comment on the proposal by clicking the *Discussion* tab using the chat icon in the right-side menu and clicking the *+ Add Comment* button. Comments can be added to the proposal at any time.

<u>**To Review Proposal (After Launch)**</u>

View changes to the proposal by clicking the *Discussion* tab using the chat icon in the right-side menu and selecting *"Show current with markup"* on the *User Tracking* dropdown.

View current comments concerning this proposal by clicking the *Discussion* tab using the chat icon in the right-side menu.

View the history of the proposal by clicking the *Workflow Status* tab using the bullet list icon in the right-side menu.

View uploaded files associated with the proposal by clicking the paperclip icon in the right-side menu to access the *Files* tab.

New courses (currently not in the catalog) must be submitted in Curriculog *before* completing this new program process, if the new courses are to be included in this program proposal.

Select *Program* below as the *Type of Program* before importing curriculum data. DO NOT select Shared Core.

Type of Program*	⦿ Program
	○ Shared Core

Academic Unit*	Department of Information Technology and Cybersecurity

Choose One:*	○ Comprehensive Undergraduate Major
	○ Non-Comprehensive Undergraduate Major
	○ Undergraduate Major (not a BS or BA degree)
	○ Minor
	⦿ Certificate

Does this program have options?*	○ Yes
	⦿ No

Proposed Program Title*	Cybersecurity Undergraduate Certificate

Degree Type*	Certificates

Additional Catalog Information*	Acquire foundational knowledge and skills in cybersecurity, including cybersecurity fundamentals, network security, information systems components, ethical hacking, and digital forensics. Learn to protect and defend information systems against cyber threats.

Catalog Curriculum Information

Follow these steps to build curriculum for the new program:

Step 1-Adding Courses

The first step is to bring courses into the proposal to use when building out the desired program requirements and sections.

On the *"View Curriculum Courses"* tab, there are two options for adding courses: *"Add Course"* and *"Import Course."*

For courses already in the catalog, click on *"Import Course"* and find the courses needed.

For new courses currently going through a Curriculog Approval Process click on *"Add Course"*. A box will open asking you for the Prefix, Course Number and Course Title. Be sure this information matches the new course prefix/number/title exactly.

To remove a course that was added into the proposal but no longer needed, click on the *"trashcan icon"* to delete.

Step 2-Adding Sections

Sections are required to outline program requirements.Use a current program listed in the catalog as a guide.

A *core* in Curriculog is defined as a section to be added in the catalog.

Click on *"View Curriculum Schema"* then select *"Add Core"*. When the new core (section) appears, expand and enter a title. Title examples: "*Specific General Education Requirements*" or "*Required Courses*", or "*Capstone Experience*".

Enter a description, if applicable.

Add courses (from the steps above) to the section(s), as needed.

Add custom text, if applicable. Custom text examples: *"3 hours from"*, or *"any additional course numbered 300 or above"*, or adding *"or"* between a choice of courses.

Move or rearrange a core/section by dragging and dropping, using the 4 headed arrow. Moving a core/section under another will produce a "sub-core".

Step 3-Preview Curriculum

This preview will show the structure of the sections and courses added to this proposal.

This is available at any point during the building of this proposal.

Note: The Office of the Registrar will format this program in the catalog appropriately, as needed.

Curriculum*

Cybersecurity UG Cert requirements

As described below, the core (ITC235, 330 and 360) courses are required. In addition, students choose one from the non-core courses.

The total credit hours required for this certificate is 12 (3 hours per course X 4 courses (3 required + 1 elective))

ITC 235 Computer Hardware and Operating Systems	**3**
ITC 330 Introduction to Networking	**3**
ITC 360 Fundamentals of Cybersecurity	**3**
[After] Electives (choose one from the following): ITC 397, ITC 563, ITC 564, ITC 565, and ITC 566.	**3**

Rationale

Why is this new program being proposed?*

There is an increasing demand for cybersecurity education. Foundational knowledge and skills in cybersecurity have become necessary in modern work environments that rely on computer networks and identity and access control systems.

What are the estimated costs to administer this new program for the first 5 years?*

0

All courses are existing courses.

What is the date that this new program was approved by faculty?*

08/29/2024

Acknowledgements and Attachments

A Missouri Department of Higher Education and Workforce Development application is REQUIRED for all new UG majors and all new UG certificates requiring more than 18 credit hours.
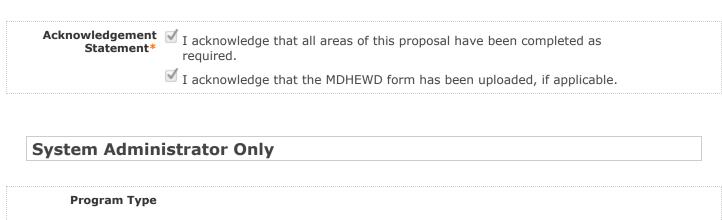
Complete and upload a new program application using the template link below.

MDHEWD application for all new Undergraduate Majors or a new Undergraduate Certificate with more than 18 hours

The Office of Institutional Research will submit these application forms to the state after the new program has been fully approved through the internal curricular process.

ATTACHMENT INSTRUCTION

Please attach any required files by navigating to the right side menu and clicking "Files".

Acknowledgement Statement*	☑ I acknowledge that all areas of this proposal have been completed as required.
	☑ I acknowledge that the MDHEWD form has been uploaded, if applicable.

System Administrator Only

Program Type

Disposition Information

Effective Term   ◯ Fall
◯ Spring
◯ Summer

Implementation Notes

Degree Audit Notes

ITC - 429 - Information Systems with Business Intelligence & AI

2025-2026 UG Course Change Form

General Catalog Information

Instructions

Complete Proposal Form

Complete all required fields, marked with an *.

Do not change the academic unit field.

Edit fields that need update by clicking on the text in the field. If a required field does not need to change, no need to update.

Generate the **Impact Report** by clicking *Run Impact Report* at the top of the page, select the UG catalog map, and copy the results into the space provided on the form. **This is required.**

Complete the *Acknowledgement* section.

Launch Proposal

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menu to access the *Files* tab.

The information imported for the course change is from the most recent catalog.

If changing the course number, originators must check course number availability prior to submission using this resource: **Course Number Availability**.

Parallel UG/GR courses must match exactly, except for prerequisites.

Identical courses must match exactly, including prerequisites.

Office of the Registrar will add standardized statements to all parallel and identical courses during implementation. Originators do not need to add these statements.
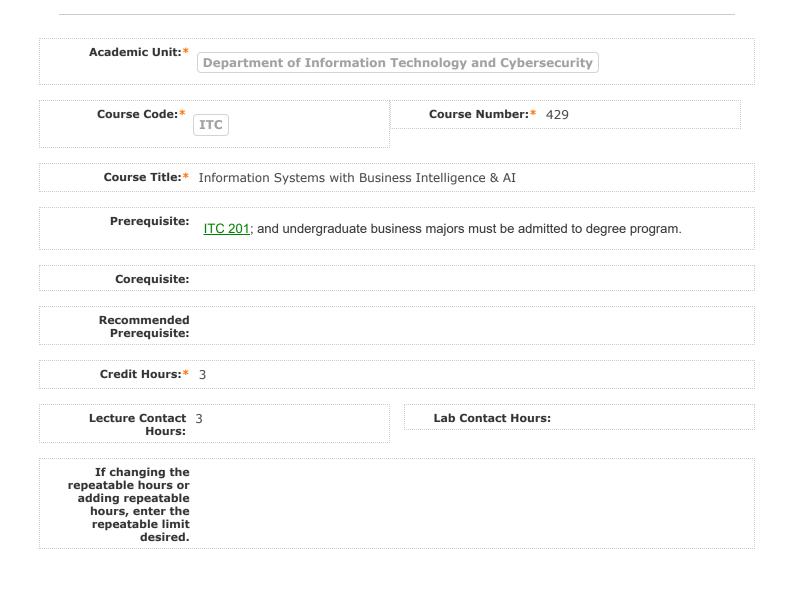
If a course is **not identical or parallel to another**, but students may not earn credit for a different course as well, the *"Cannot receive credit for both XXXxxx and XXXxxx""* must be added to the course description. *Example: LAW 335 and 532.*

Courses listed in prerequisites, corequisites, recommended prerequisites, and descriptions may be catalog links shown in green. Catalog links will be updated by the OOR during implementation.

Course changes that affect program information in the catalog will not be implemented without a corresponding program change form.

For system support, email **curriculum@missouristate.edu**.

For information regarding Faculty Senate bylaws, email **facultysenate@missouristate.edu**.

Academic Unit: *

> Department of Information Technology and Cybersecurity

Course Code: *

> ITC

Course Number: * 429

Course Title: * Information Systems with Business Intelligence & AI

Prerequisite:

> ITC 201; and undergraduate business majors must be admitted to degree program.

Corequisite:

Recommended Prerequisite:

Credit Hours: * 3

Lecture Contact Hours: 3

Lab Contact Hours:

If changing the repeatable hours or adding repeatable hours, enter the repeatable limit desired.

Type (Lecture/Lab/Other) *

- ◉ Lecture
- ○ Lab
- ○ Both
- ○ Other

Grade Mode *

- ◉ Letter Grades (Standard)
- ○ Pass Not Pass ONLY
- ○ CANNOT Pass Not Pass

Check all periodicity that applies. *

- ☑ Fall
- ☐ Fall Even
- ☐ Fall Odd
- ☑ Spring
- ☐ Spring Even
- ☐ Spring Odd
- ☐ Summer
- ☐ Demand

Course Description: *

This course is a study of how information technology is utilized in business organizations. Topics include enterprise systems, systems development, networking, databases, business intelligence, e-business, competitive advantage, artificial intelligence, information security, and cloud computing.

Is there a graduate parallel course to this one?

Rationale

Why is this course changing? *

The proposed changes are part of an ongoing effort to keep the course relevant by incorporating emerging technologies such as artificial intelligence.

Does this change affect course assessment (e.g. student learning evidence / outcomes)? *

- ◉ Yes
- ○ No

If yes, explain:

The added content such as understanding AI and business applications may be included in assessment.

How was the change for this course determined? *	☑ Routine or annual review/assessment of curriculum
	☐ Faculty Input
	☐ Student Input
	☐ Accreditation/certification compliance
	☐ Review of catalog information
	☐ Other

| **Other comments:** | |

| **What is the date that this course change was approved by departmental or program faculty?** * | 09/20/2024 |

Acknowledgements and Attachments

IMPACT REPORT STATEMENT

At the top of the page, click on *Run Impact Report*. Copy the results of the Impact Report and paste them into the space below.

| **Impact Report Results:** * | # Impact Report for ITC 429 |
| | |

Source: 2025-2026 Undergraduate Catalog	
Programs	College of Business Core
	Information Technology Minor

| **Acknowledgement Statement** * | ☑ I acknowledge that all areas of this proposal have been completed as required. |

System Administrator Only

| **Catalog OID (Item ID)** | 49011 |

| **Catalog Status** | ... |

Catalog Status ◉ Active-Visible

○ Inactive-Hidden

Disposition Information

Effective Term ○ Fall

○ Spring

○ Summer

Implementation Notes

Degree Audit Notes

Grade Mode for Catalog ◉ Standard

○ Pass/Not Pass

Schedule Type for Catalog Lecture

Course Type Information Technology and Cybersecurity