

This Program Change form will enable you to propose several types of changes to any existing program. You may propose changes to an existing program's:

- Title
- Description
- Requirements
 - Admission Requirements
 - Prerequisites
 - Required courses
 - Elective courses
 - Graduation requirements

It is highly recommended to create a separate Word document that includes the entire sections of the catalog you wish to change. To create the document, copy from Requirements section of this form in order to include live course links.

- In the word document, use the ~~striketrough~~ option to denote deletions and the underline icon to denote added text.

-Once formatting is complete in your Word document, please paste the text in the corresponding text box.

In addition, this program change form should be used to propose a new major or track (or specialization, concentration, area of emphasis). Each of these types of programs is defined by the Board of Governors (BOG) of the State University System of Florida, in its Regulation 8.011 Academic Degree Program Coordination and Approval. These definitions are outlined in FIU Policy 350.010 Academic Degree Program Coordination and Approval.

- **Program Major:** An organized curriculum offered as part or all of an existing or proposed degree program. A major must be reasonably associated with the degree program under which it is offered and share a minimum of 15% of core courses with other majors within the same degree program. For an undergraduate degree, each major requires completion of a minimum of 30 credits (including core courses). Graduate degrees typically focus only on the specific discipline; therefore, there is no minimum credit requirement for graduate majors. There are cases where the major and degree program names are identical, thus creating only one major.
- **Program Track (or Specialization, Concentration, Area of Emphasis):** An organized curriculum, offered as part of an individual student's degree program, which enhances or complements the degree to be awarded in a manner that leads to specific educational or occupational goals. In order

to establish some uniformity across degree programs, this level of categorization should be termed a track unless a different terminology is required for accreditation or discipline purposes. The number of credit hours of a track, specialization, concentration, or area of emphasis shall not equal or exceed the number of credit hours established for a program major at the same degree level.

Standing committees of the FIU Faculty Senate will review these changes. The members that comprise these governing bodies may not understand the nuances of your department or academic discipline. Therefore, you will be required to provide a justification for the changes you are proposing. The committees request that justifications be specific and written for an audience that is unfamiliar with your department and program.

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Bulletin

Bulletin number

4

Program & Proposal Type

Which type of program do you propose changing?

Degree Program

Select each type of change you are proposing to an existing program. (You may propose more than one type of change/ addition.)

Program Requirements

Justification

Please provide a justification for the changes you are proposing.

Changes to the BS in Cybersecurity program were prepared with the central motivation of keeping the curriculum up-to-date with current industry needs, and increasing the presence of the core component of security in the degree program. Curriculum change were reviewed by a committee consisting of both faculty and industry partners, and ultimately approved by the faculty.

In addition, the Academic Progression Standard in Program Requirements is edited to clarify for students how this standard is applied.

Effective term

Proposed program changes will become **effective Fall of the next academic year**. However, some cohort programs may require a phasing in of programmatic changes. Please provide a rationale for any circumstances requiring other than a Fall implementation date.

For example: changes submitted in 2025-26 will become effective in Fall 2026.

Justification for Cohort programs

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Questions Specific to the List of Courses Required for this Program

If proposing additional courses, do all courses exist in the current catalog?

No

If courses are not in the current catalog, are they currently in the workflow process?

Yes

New Course Form

Please submit a New Course Form for the courses you wish to propose.

Are all courses to be added taught in the same proposing department?

Yes

Are courses to be deleted taught in the same proposing department?

Yes

If no, provide written approval/acknowledgment of the other department(s).

-

Does this change affect the courses measuring Student Learning Outcomes (SLOs) or Program Outcomes (POs) for the program?

No

Please upload your revised Student Learning Outcomes (SLOs) and/or Program Outcomes (POs).

-

Catalog Fields

Current Program Title

Bachelor of Science in Cybersecurity

Proposed Program Title

-

Instructions:

Changes to the Program Description and Program website may be made directly in the respective boxes below. These changes are visible to review using the "view changes" option on the top right. Once submitted, reviewers can view the changes using the "changes" button on the top section of the proposal.

Program Description

The Bachelor of Science (BS) in Cybersecurity degree emphasizes the core principles of cybersecurity. Students master the intricacies of network security, cryptography, ethical hacking, and digital forensics. They navigate cyber threats, learning to anticipate, detect, and neutralize malicious activities that lurk in the digital realm. With hands-on experience in state-of-the-art labs and simulations, students hone their skills in real-world scenarios, dissecting cyber-attacks and fortifying systems against potential breaches. They analyze case studies of past incidents, extracting valuable lessons to inform their strategies in the ongoing battle for digital security. Upon completing the degree, graduates emerge as cyber guardians, armed with a comprehensive understanding of cybersecurity frameworks and best practices. They are adept at designing robust defense systems, conducting vulnerability assessments, and implementing proactive measures to mitigate risks. Graduates of this program will apply principles, best practices, and current cybersecurity techniques to protect computing infrastructure, data, processes, and people from adversaries and exposure.

For more information, visit the College of Engineering and Computing website.

Proposed Program Description

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Program Website

Program Website

Proposed Program Website Change

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Requirements

Simple Requisites

Admissions Requirements

See general university admissions requirements at admissions.fiu.edu.

Program Requirements

Lower Division Preparation

Type

Prerequisite

Common Prerequisite Courses

Students must complete the following courses as part of their course work, preferably during the first 60 credits.

Please visit <https://cpm.flvc.org> for a current list of state-approved common prerequisites.

Complete ALL of the following Courses:

- CGS1540 - Introduction to Databases for All
OR CTS1500 - Emerging Topics in Digital Life
OR CTS1120 - Fundamentals of Cybersecurity
- COP2250 - Java Programming
- COP2270 - Secure C Programming For Engineers
- ECO2013 - Principles of Macroeconomics
- MAC1147 - Pre-Calculus Algebra and Trigonometry
- MAD2104 - Discrete Mathematics
- PHY2053 - Physics without Calculus I
- PSY2012 - Introductory Psychology
- STA2023 - Statistical Methods

STA2023 Statistical Methods may be replaced with STA2122 Stat for Behav Scien I or STA3111 Statistics I.

MAD2104 Discrete Mathematics may be replaced with COT3100 Discrete Structures.

Additional requirement: (students admitted with less than 55 credits)

-

Complete ALL of the following Courses:

- CGS1920 - Introduction to the Field of Computing

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Upper Division**Type**

Completion Requirement

Third and Fourth Years: 33 credits

At least 50% of the upper-division credits required for the BS in Cybersecurity must be taken at FIU.

Complete ALL of the following Courses:

- CEN3721 - Introduction to Human-Computer Interaction
- CGS3095 - Technology in the Global Arena
- CGS3767 - Computer Operating Systems
- CGS4285 - Applied Computer Network
- CIS4365 - Enterprise Cybersecurity Policies and Practices
- CNT4182 - Mobile and IoT Cybersecurity Policies and Practices

- CNT4403 - Computing and Network Security
- COP3804 - Intermediate Java Programming
- COP4703 - Information Storage and Retrieval Concepts
- ENC3249 - Professional and Technical Writing for Computing
- CIS3950 - Capstone I
- CIS4951 - Capstone II

Cybersecurity Electives: 9 credits

Students must complete three courses from the list of electives maintained by KFSCIS*. These electives will be drawn from acceptable elective courses from the BA in Computer Science, BS in Information Technology, and from the concentration electives of Electrical and Computer Engineering Department.

Earn at least 9 credits

*<https://www.cis.fiu.edu/academics/degrees/undergraduate/cybersecurity/>

Interdisciplinary Courses: 9 credits

Nine additional credits must be taken from one cognitive area outside KFSCIS. For example, 9 credits within a minor or certificate meets this requirement. Find minors and certificates in the FIU University Catalog. When there is no minor or certificate in the area of the student's interest, a set of courses can be created with the approval of advisers from KFSCIS and from the other area of interest.

Earn at least 9 credits**Major Requirements**

There are no majors associated with this program.

Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering Requirements

There are no tracks, specializations, concentrations, areas of emphasis, or other curricular offerings associated with this program.

Admission Requirements Changes

Instructions

To propose changes to existing catalog text, first select the "+ Add New" button below. A text box will appear. Then, copy the existing Admissions Requirements text from the Admissions Requirements section above and paste into a Word document.

In the word document, use the strikethrough option to denote deletions and the underline icon to denote added text. Once formatting is completed, paste the formatted text into the text box below.

If there are any courses referenced as requirements for admissions, once the text is pasted into the box below, any additions should be added using the "Embed Course Link" (book icon) in the toolbar above. Click the icon. Then, search using the prefix and number of the course you wish to add. Then click "Embed Link".

If any course added displays "inactive" next to the number, please contact APA staff for assistance in reactivation. (utilize Course Activation Form)

Changes

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Program Requirement Changes

Instructions

To propose changes to existing catalog text, first select the "+ Add New" button below. A text box will appear. Then, copy the existing Program Requirements text from the Admissions Requirements section above and paste into a Word document.

In the word document, use the strikethrough option to denote deletions and the underline icon to denote added text. Once formatting is completed, paste the formatted text into the text box below.

For additional courses, use the "Embed Course Link" (book icon) in the toolbar above. Click the icon. Then, search using the prefix and number of the course you wish to add. Then click "Embed Link".

If you are trying to add a course that has been deactivated, it must be reactivated before submission of this proposal.

Common Prerequisite Courses

Students must complete

Common Prerequisite Courses

Students must complete the following courses as part of their course work, preferably during the first 60 credits.

Please visit <https://cpm.flvc.org> for a current list of state-approved common prerequisites.

Complete ALL of the following Courses:

- CGS1540 - Introduction to Databases for All
OR-CTS1500 - Emerging Topics in Digital Life
OR CTS1120 - Fundamentals of Cybersecurity
- COP2047 - Python Programming I OR
COP2250 - Java Programming
- COP1000 - Introduction to Computer Programming
OR COP2270 - Secure C Programming For Engineers
- ECO2013 - Principles of Macroeconomics
- MAC1140 - Pre-Calculus Algebra
OR MAC1147 - Pre-Calculus Algebra and Trigonometry
- MAD2104 - Discrete Mathematics
- Any University Core Curriculum (UCC) Physics Course PHY2053 - Physics without Calculus I
- PSY2012 - Introductory Psychology
- STA2023 - Statistical Methods

STA2023 may be replaced with ~~STA2122~~ or STA3111.

MAD2104 may be replaced with COT3100.

Additional requirement: (students admitted with less than 55 credits)

Complete ALL of the following Courses:

- ~~CGS1920 - Introduction to the Field of Computing~~

Third and Fourth Years: ~~33~~ 42 credits

At least 50% of the upper-division credits required for the BS in Cybersecurity must be taken at FIU.

Complete ALL of the following Courses:

- ~~CEN3721 – Introduction to Human-Computer Interaction~~
- CGS3095 - Technology in the Global Arena
- CGS3767 - Computer Operating Systems
- CGS4285 - Applied Computer Network
- CIS3080 – Cloud Essentials
- CIS4121 – Applied IT Security
- CIS4203 – Digital Forensics
- CIS4356 – Risk and Threat Management
- CIS4365 - Enterprise Cybersecurity Policies and Practices
- ~~CNT4182 – Mobile and IoT Cybersecurity Policies and Practices~~
- CNT4403 - Computing and Network Security
- COP3804 - Intermediate Java Programming
- COP4703 - Information Storage and Retrieval Concepts
- ENC3213 – Professional and Technical Writing OR

ENC3249 - Professional and Technical Writing for Computing

- CIS3950 - Capstone I
- CIS4951 - Capstone II
- IDC2002 - AI For All

CEC Academic Progression Standard

Students who are unsuccessful in passing common pre-requisites after two attempts will be advised to change their major into an area where they can be successful. Drops after the add/drop period, which result in a DR grade, are considered an attempt in the course and count as an unsuccessful enrollment.

Students admitted to the program must successfully complete MAC 1147 within three academic terms, not counting summers. Students not meeting the math progression requirement will be advised to move to a program where they can be more successful.

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The language below will be added in the next cycle (2027-28 catalog) replacing the above:

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Steady academic progression is expected by the College of Engineering and Computing. Students who are unsuccessful in passing common pre-requisites after two attempts will be advised to change their major into an area where they can be successful. Drops after the add/drop period, which result in a DR grade, are considered an attempt in the course and count as an unsuccessful enrollment.

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Students must also meet the Math Progression standard of successfully completing MAC 1147 within three academic terms, not counting summers.

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Students will be redirected to a different degree program when completion of the progression standards, including the applicable math progression standard by its stated semester, is no longer feasible.

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Major Requirements

Instructions

This section allows you to make "changes to a current major" or propose a "new major".

To propose **changes** to the catalog information for an existing major(s):

1. Select "**Change(s) to a current major**" in the drop down below.
2. Use the "+ Add New" button and a text box will appear.
3. Copy the existing Major Requirements text from the Major Requirements section above and paste into a Word document.
4. In the word document, use the strikethrough option to denote deletions and the underline icon to denote added text. Once formatting is completed, paste the formatted text into the text box below.
5. For additional courses, use the "Embed Course Link" (book icon) in the toolbar above. Click the icon. Then, search using the prefix and number of the course you wish to add. Then click "Embed Link".

If you are trying to add a course that has been deactivated, it must be reactivated before submission of this proposal.

6. Repeat steps 2 - 5 for each major which requires changes.

To propose a **new major(s)** in this degree program:

1. Select "**New major**" in the drop down below.
2. Use the "+ Add New" button.
3. Complete all the required fields.
4. In the Major Requirements field, provide a detailed course listing and any specifics regarding course requirements.
5. For each course, use the "Embed Course Link"(book icon) in the toolbar above. Click the icon. Then, search using the prefix and number of the course you wish to add. Then click "Embed Link".

If you are trying to add a course that has been deactivated, it must be reactivated before submission of this proposal.

6. Repeat steps 2 - 5 for each additional new major.

Using the drop down menu below, please select the changes you would like to make.

-

Change(s) to a Current Major

-

New Major(s)

-

Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering Requirement

Instructions

This section allows you to make "Change(s) to a current Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering Requirement" or propose a "New Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering".

To propose **changes** to the catalog information for an existing Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering(s):

1. Select "**Change(s) to a current Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering Requirement**" in the drop down below.
2. Use the "+ Add New" button and a text box will appear.
3. Copy the existing text from the Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering Requirements section above and paste into a Word document.
4. In the word document, use the strikethrough option to denote deletions and the underline icon to denote added text. Once formatting is completed, paste the formatted text into the text box below..
5. For additional courses, use the "Embed Course Link"(book icon) in the toolbar above. Click the icon. Then, search using the prefix and number of the course you wish to add. Then click "Embed Link".

If you are trying to add a course that has been deactivated, it must be reactivated before submission of this proposal.

6. Repeat steps 2 - 5 for each offering which requires changes.

To propose a **new Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering**

(s) in this degree program:

1. Select "**New Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering**" in the drop down below.
2. Use the "+ Add New" button.
3. Complete all the required fields.
4. In the Requirements field, provide a detailed course listing and any specifics regarding course requirements.
5. For each course, use the "Embed Course Link" (book icon) in the toolbar above. Click the icon. Then, search using the prefix and number of the course you wish to add. Then click "Embed Link".

If you are trying to add a course that has been deactivated, it must be reactivated before submission of this proposal.

6. Repeat steps 2 - 5 for each additional new offering.

Using the drop down menu below, please choose the changes you would like to make.

-

Change(s) to a current Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering Requirement

-

New Track, Specialization, Concentration, Area of Emphasis, or Other Curricular Offering

-

SACSCOC Substantive Change

If you have any questions or concerns regarding SACSCOC and Substantive Change, please contact the Office of Academic Planning and Accountability.

Will additional facilities be needed to deliver the revised program?

No

If so, describe the additional facilities that will be needed.

-

<p>Will additional equipment be needed to deliver the revised program?</p>	<p>If so, describe the additional equipment that will be needed.</p>
<p>No</p>	<p>-</p>
<p>Will additional financial resources be needed to deliver the revised program?</p>	<p>If so, describe the additional financial resources that will be needed.</p>
<p>No</p>	<p>-</p>
<p>Will additional library/learning resources be needed to deliver the revised program?</p>	<p>If so, describe the additional library/learning resources that will be needed.</p>
<p>No</p>	<p>-</p>
<p>Will new faculty need to be hired to deliver the revised program?</p>	<p>If so, describe the additional faculty resources that will be needed.</p>
<p>No</p>	<p>-</p>
<p>Will new content be required for the revised program?</p>	<p>If so, select the percentage of new content for the revised program.</p>
<p>No</p>	<p>-</p>
<p>Will some or all of the revised program be offered at a new location geographically apart from the Modesto A. Maidique Campus (or its Engineering Center)?</p>	<p>If so, select the percentage of the program that will be offered at a new location.</p>
<p>No</p>	<p>-</p>
<p>Enter the name of the location where the revised program will be offered.</p>	
<p>-</p>	
<p>Will the revised program be offered via a different method of delivery than is currently used?</p>	<p>If so, by which method of delivery will the revised program be delivered?</p>
<p>No</p>	<p>-</p>
<p>Select the percentage of the program that will be offered via distance education (i.e., online).</p>	
<p>-</p>	
<p>Will the revised program enter into a collaborative academic arrangement that includes the initiation of a dual academic program with another institution?</p>	<p>If so, with which institution will you collaborate in this dual academic program?</p>
<p>No</p>	<p>-</p>

Will the revised program enter into a contract by which an entity not eligible for Title IV funding offers 25% or more of the program (e.g., international university)?

If so, with which entity will you contract?

No

Supporting Documentation

Please include additional relevant documentation.

[BSCY Updated Curriculum Proposal Jan 2026.pptx](#), [CCC_FriJan30.pdf](#)

Dependencies

FIU Acad Plan

fiuAcadPlan

Unit Cumulative Total

120

SAP Eligibility Percentage

0.5