

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.

We are changing the first programming language of our IT degrees from Java to Python (note the second will remain as Java). This was done in response to studying market signals from widely cited programming language indices and long term trends. Additionally, Python is particularly well suited for an introductory programming course that emphasizes computational thinking. Compared to Java, Python offers:

- Simpler syntax and higher readability;
- A gentler learning curve for novice programmers;
- Immediate feedback and reduced early frustration;
- No exposure to manual memory management in CS1; and
- Strong relevance across modern application domains, including AI and data science.

By reducing incidental complexity, Python allows COP 2047 to better assess and develop the outcomes that matter most early in the curriculum:

- Problem decomposition;
- Algorithmic reasoning;
- Correctness, testing, and debugging habits; and
- Ethical and responsible computing practices, including AI-assisted workflows.

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**

-

## Questions Specific to the List of Courses Required for this Program

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

Yes

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

No

**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 Arts in Information Technology

**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 Arts (BA) in Information Technology broadens options for students who pursue another undergraduate degree. Available as a second degree, the BA in Information Technology program prepares students with the competencies and business skills essential for a career in information technology. The industry-developed curriculum includes core courses in computer networking, operating systems, website construction, and management, with the opportunity to choose electives to deepen your knowledge in network security, mobile app development, and Unix/Linux. The BA in Information Technology includes hands-on skill development, focusing on becoming proficient in new, innovative technologies. Students will build technical abilities, be prepared for real-life situations, and be able to apply knowledge of computers, programming, and all IT-related tasks to the professional world—from business to government to education to non-profit organizations. The Board of Governors of the State University System of Florida has recognized FIU as a top institution for training tech talent for its innovative approaches in educating the next generation of top computing specialists. Many of our information technology graduates have excelled in positions such as systems administrators, applications support specialists, database administrators, computer programmers, computer analysts, and computer support specialists. Businesses and organizations in every industry rely on computers and networks to create opportunities and solve challenges. With the BA in Information Technology, graduates will have expanded career options in a rapidly expanding job market.

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](https://admissions.fiu.edu).

**Program Requirements**

**Academic Progression Requirements**

Students admitted to the university are admitted directly to their chosen major. Students are expected to make satisfactory progress based on critical indicators, such as GPA in specific courses or credits earned. In cases where students are not making satisfactory progress, a change of major may be required. Advisors work to redirect students to more appropriate majors when critical indicators are not met.

**Lower Division Preparation**

**Type**

Prerequisite

**Common Prerequisite Courses**

For a list of all state-approved common prerequisites, including alternatives, visit <https://cpm.flvc.org>.

All students must have completed the following courses (or equivalent) prior to enrolling in the Information Technology program required courses.

**Complete ALL of the following Courses:**

- CGS2060 - Introduction to Microcomputers  
 OR CGS2100 - Intro to Microcomputer Applications for Business  
 OR CGS2518 - Computer Data Analysis
- COP2250 - Java Programming
- COT3100 - Discrete Structures  
 OR MAD1100 - Mathematics for Information Technology

**Upper Division Requirements**

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

**Upper Division Requirements**

**Type**

Completion Requirement

**Required Courses: 18 Credits**

All students must complete the following courses:

**Complete ALL of the following Courses:**

- CEN3721 - Introduction to Human-Computer Interaction
- CGS3767 - Computer Operating Systems
- CGS4285 - Applied Computer Network
- CGS4854 - Website Construction and Management
- COP3804 - Intermediate Java Programming
- COP4703 - Information Storage and Retrieval Concepts

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**Information Technology Electives: 6 Credits**

All students must complete 2 courses (6 credits) from the list of electives maintained by KFSCIS: (<https://www.cis.fiu.edu/academics/degrees/undergraduate/second-major-in-it-track/>).

**Earn at least 6 credits**

-

**Cognate Electives: 6 Credits**

All students must complete 2 additional elective courses (6 credits). Students who are completing their major concurrent with their IT degree must choose their cognate elective courses from a list of designated courses from the department of their primary major. Students who have received their first Bachelor Degree prior to enrolling in the IT program must instead choose an additional two courses from the list of IT elective courses.

**Earn at least 6 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

For a list of all state-approved common prerequisites, including alternatives, visit <https://cpm.flvc.org>.

All students must have completed the following courses (or equivalent) prior to enrolling in the Information Technology program required courses.

#### **Complete ALL of the following Courses:**

- CGS2060 - Introduction to Microcomputers  
OR CGS2100 - Intro to Microcomputer Applications for Business  
OR CGS2518 - Computer Data Analysis
- COP2047 – Python Programming I  
OR COP2250 - Java Programming
- COT3100 - Discrete Structures  
OR MAD1100 - Mathematics for Information Technology

### 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.

# 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**

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

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

## Dependencies

## FIU Acad Plan

fiuAcadPlan

**Unit Cumulative Total**

120

**SAP Eligibility Percentage**

0.5