

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.

The proposed revision to the B.A. in Computer Science curriculum is a direct response to three converging forces:

- The rapid evolution of computing practice, particularly the widespread adoption of AI-assisted tools in software development;
- Shifts in industry expectations, where graduates are expected to demonstrate not only programming proficiency, but also strong computational thinking, system-level understanding, and the ability to critically evaluate AI-generated artifacts; and
- Institutional priorities at FIU, including the deliberate integration of AI across the curriculum while maintaining rigor, ethical responsibility, and alignment with ABET accreditation standards.

The revised curriculum modernizes the degree while preserving the theoretical and systems foundations that define computer science as a discipline. Rather than introducing ad hoc changes, the redesign follows a cohesive, scaffolded approach that strengthens the core curriculum and provides students with more intentional flexibility in their elective pathways.

We have provided a longer, more detailed justification in our attached Narrative.

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?

Not applicable. This proposal does not include the addition of any courses.

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).

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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).

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Catalog Fields

Current Program Title

Bachelor of Arts in Computer Science

Proposed Program Title

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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 Computer Science offers students the choice to combine the BA in Computer Science with another degree, such as digital media, business, economics, and more. The program allows graduates to pursue careers in the field of computing, while it offers them the ability to have a more specialized focus outside of computer science. The program provides strong skills in Computer Science, but unlike the Bachelor of Science (BS) in Computer Science, it is not as math and science-heavy as the BS in Computer Science. The BA in Computer Science is for students who want more choice and flexibility with their coursework and are interested in obtaining computing skills to pursue careers in fields that use technology significantly, such as health, science, medicine, or research. Students of this program will gain the skills needed to research technological solutions and create digital programming to offer new solutions. Graduates will be prepared to offer new approaches to computing technology to create greater efficiencies and ensure systems operate in the intended manner.

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

Students must follow regular University admission procedures and upon admission declare their specific major as Computer Science.

Program Requirements

Academic Progression Requirements

All required courses must be completed with a grade of "C" or better. All students must participate in KFSCIS assessment activities and successfully complete an exit interview prior to graduation.

Lower Division Preparation

Type

Prerequisite

Common Prerequisite Courses

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

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

Complete ALL of the following Courses:

- MAC1140 - PreCalculus Algebra
- STA2023 - Statistical Methods

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

Courses required for students admitted with less than 55 credits

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Complete ALL of the following Courses:

- CGS1920 - Introduction to the Field of Computing
OR COP1000 - Introduction to Computer Programming
OR IDC1000 - Computer Science for Everyone

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Upper-Division Requirements

At least 50% of the upper division credits required for the BA in Computer Science must be taken at FIU.

Upper Division Requirements

Type

Completion Requirement

Courses Required for the Degree: Third and Fourth Years

Complete ALL of the following Courses:

- COT3100 - Discrete Structures
OR MAD2104 - Discrete Mathematics
- ENC3249 - Professional and Technical Writing for Computing
OR ENC3213 - Professional and Technical Writing
- CDA3102 - Computer Architecture
- CEN4010 - Software Engineering I
- CGS3095 - Technology in the Global Arena
- COP2210 - Programming I
- COP3337 - Computer Programming II
- COP3530 - Data Structures
- COP4338 - Systems Programming
- COP4610 - Operating Systems Principles

Computer Science Electives

Students must complete one course from each of the three elective groups and must complete three additional elective courses from these elective groups. These electives will be drawn from acceptable electives in the B.S. in Computer Science program or required courses in the B.S. in Computer Science program not used in the B.A. program, from electives in the B.A. in Information Technology program, and from electives in the B.S. in Computer Engineering program. KFSCIS maintains three lists of courses for three elective groups: Foundations, Systems, and Applications (B.A. In Computer Science - Knight Foundation School of Computing and Information Sciences (fiu.edu)).

Interdisciplinary Courses

Nine additional credits must be taken outside the Knight Foundation School of Computing and Information Sciences. These credits must normally be selected from the courses for a minor or certificate in another discipline. 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 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

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

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

Complete ALL of the following Courses:

- MAC1140 - PreCalculus Algebra
- STA2023 - Statistical Methods

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

~~Courses required for students admitted with less than 55 credits~~

Complete ALL of the following Courses:

- ~~CGS1920~~—Introduction to the Field of Computing
~~OR COP1000~~—Introduction to Computer Programming
~~OR IDC1000~~—Computer Science for Everyone

Courses Required for the Degree: Third and Fourth Years

Complete ALL of the following Courses:

- COT3100 - Discrete Structures
OR MAD2104 - Discrete Mathematics
- ENC3249 - Professional and Technical Writing for Computing
OR ENC3213 - Professional and Technical Writing
- CDA3102 - Computer Architecture
- CEN4010 - Software Engineering I
- CGS3095 - Technology in the Global Arena
- COP3410 - Computational Thinking
- COP2210 - Programming I
- COP2047 - Python Programming I
- COP3337 - Computer Programming II
- COP3530 - Data Structures
- COP4338 - Systems Programming
- COP4610 - Operating Systems Principles

Computer Science Electives

Students must complete one course from each of the three elective groups and must complete three additional elective courses from these elective groups. These electives will be drawn from acceptable electives in the B.S. in Computer Science program or required courses in the B.S. in Computer Science program not used in the B.A. program, from electives in the B.A. in Information Technology program, and from electives in the B.S. in Computer Engineering program. KFSCIS maintains three lists of courses for three elective groups: Foundations, Systems, and Applications (B.A. In Computer Science – Knight Foundation School of Computing and Information Sciences (fiu.edu)).

The list of elective courses are available at:

<https://www.cis.fiu.edu/academics/degrees/undergraduate/computer-science>. BA-CS students must take 12 credits of electives, including at least one course from each elective group (Foundations, Systems and Applications). Remaining credits must be taken from these three groups OR from the group (CIS4947, CIS4912, CIS4257, CIS3590).

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.

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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

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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.

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<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.

[BA-CS.docx](#), [Narrative for the revised B.S. in CS.pdf](#), [CCC_FriJan30.pdf](#)

Dependencies

FIU Acad Plan

fiuAcadPlan

Unit Cumulative Total

120

SAP Eligibility Percentage

0.5