



DO NOT TYPE IN THIS BOX

Bulletin #: 3  
Academic Year: 2022-23

# FLORIDA INTERNATIONAL UNIVERSITY UNDERGRADUATE PROGRAM PROPOSAL

## Changes to an Undergraduate Minor

**INSTRUCTIONS:** Please Type. Fill out this form **completely**.

School/College Engineering and Computing

Div./Dept. Knight Foundation School of Computing and Information Sciences

Minor Name: Computer Science

Degree Name: \_\_\_\_\_  Not Applicable

B.A.       B.S.       Other Bachelor's \_\_\_\_\_

Proposed Implementation Date: Fall 2023

### PROPOSAL REQUESTED BY:

Faculty Contact	<u>Masoud Sadjadi</u>	<u>11 / 20 / 2022</u>
	(Type Name)	(Signature)
	<u>sadjadi@cs.fiu.edu</u>	<u>305-348-1835</u>
	(Email address)	(Phone Number)

Chair (Dept./Div.)	<u>Jason Liu</u>	<u>    /    /20    </u>
	(Type Name)	(Signature)

Chair (Curr. Comm.)	<u>Alexander Afanasyev</u>	<u>    /    /20    </u>
	(Type Name)	(Signature)

College/School Dean	<u>John Volakis</u>	<u>    /    /20    </u>
	(Type Name)	(Signature)

NO HEARING REQUIRED. PLEASE SUBMIT ORIGINAL FORM.

**DO NOT TYPE IN THIS BOX**

Bulletin #: \_\_\_\_\_

Academic Year: \_\_\_\_\_

**CHANGES TO AN UNDERGRADUATE MINOR**

PLEASE SUBMIT THIS CHECK LIST WITH THIS PROPOSAL

**Please fill out the coversheet in its entirety.**

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**The proposal must include the following elements using the current undergraduate catalog:**

- I. List old minor's prescribed courses, other requirements, credits, and page number (left column)
  - II. List new minor's prescribed courses, other requirements, and credits (**right column in red**)
  - III. Include a brief rationale for the change
- 

**Complete the checklist that begins on the following page.**

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	YES	NO	N/A
1. Do all courses exist in the current catalog?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. If courses are not in the current catalog, are they proposed in the same Curriculum Committee bulletin as this proposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. If courses are not in the current catalog or proposed in this same bulletin, were they approved in a previous curriculum bulletin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>• If yes, attach a separate sheet indicating each course number, name, bulletin number, and bulletin date.</li> <li>• If the answers to 1, 2, and 3 are no, do not submit the proposal. Address the course issues first.</li> </ul>			
4. Do courses listed have the correct course prefixes, official titles, course numbers, and number of credits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Do course descriptions match the existing catalog or proposed course descriptions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Are all courses to be added or changed taught in the same proposing department?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Are all courses to be deleted taught in the same proposing department?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>• If the answer to 6 or 7 is no, do you have the written approval/acknowledgment of the other department(s)? (You must have written approval before submitting this document.)</li> </ul>			
8. Are the approvals/acknowledgments from the other departments attached?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Clear Form



To: Mary Cossio  
Faculty Senate

From: Dean or Assoc. Dean and College Curriculum Cmte. Chair

**Subject: Memo in Lieu of Curriculum Chair and Dean Signatures for Bulletin #3**

Date: November 24, 2022

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As instructed by the Faculty Senate, this memo will serve as approval of the attached proposals for Bulletin #3 by our Curriculum Committee Chair, Alexander Afanasyev, and the Dean for College of Engineering and Computing (John L. Volakis), in lieu of physical signatures. The proposals in this Bulletin were approved by our Curriculum Committee on November 23, 2022.

In addition to the above, memos in lieu of signatures have also been included by departments unable to obtain physical signatures for their faculty contact and/or department chair.



To: Mary Cossio  
Faculty Senate

From: Faculty Contact and KFSCIS Interim Director

**Subject: Memo in Lieu of Curriculum Chair and Dean Signatures for Bulletin #3**

Date: November 24, 2022

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As instructed by the Faculty Senate, this memo will serve as approval of the attached proposals from KFSCIS for Bulletin #3 by faculty contact (Masoud Sadjadi) and KFSCIS Interim Director (Jason Liu), in lieu of physical signatures. The proposals in this Bulletin were approved by our Curriculum Committee on November 23, 2022.

## **Minor in Computer Science**

### **Justification for Program Changes**

For keeping our Minor in CS up to date with the rapid changes in this field, the list of elective courses for this major needs to be revised frequently as we encourage our faculty to offer new courses relevant to topics practiced in the industry. By allowing KFSCIS to maintain the list of electives on its portal, our students and faculty members can become aware of the most recent changes in a timely manner, keeping up with the pace of changes in this field. Having the list as part of the catalog would only create unnecessary work for everyone involved and delays the effective date of the changes significantly. This proposal resolves the above issue.

# FLORIDA INTERNATIONAL UNIVERSITY UNDERGRADUATE PROGRAM/CATALOG CHANGE PROPOSAL

## FIU Undergraduate Catalog

OLD (page 452)	NEW																																																																																										
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A student with a major that has a significant overlap with Computer Science must first obtain permission from a CS advisor.</p> <p><b>Required Courses</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">CDA 3102</td> <td style="width: 65%;">Computer Architecture</td> <td style="width: 20%; text-align: right;">3</td> </tr> <tr> <td>COP 2210</td> <td>Computer Programming I</td> <td style="text-align: right;">4</td> </tr> <tr> <td>COP 3337</td> <td>Computer Programming II</td> <td style="text-align: right;">3</td> </tr> </table> <p>Plus two from the following list:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">CAP 4104</td> <td style="width: 65%;">Human Computer Interaction</td> <td style="width: 20%; text-align: right;">3</td> </tr> <tr> <td>CAP 4770</td> <td>Introduction to Data Mining</td> <td style="text-align: right;">3</td> </tr> <tr> <td>CEN 4010</td> <td>Software Engineering I</td> <td style="text-align: right;">3</td> </tr> <tr> <td>CNT 4713</td> <td>Net-centric Computing</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COP 3530</td> <td>Data Structures</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COP 4226</td> <td>Advanced Windows Programming</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COP 4338</td> <td>Systems Programming</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COP 4520</td> <td>Introduction to Parallel Computing</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COP 4555</td> <td>Principles of Programming Languages</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COP 4604</td> <td>Advanced Unix Programming</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COP 4710</td> <td>Database Management</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COT 3541</td> <td>Logic for Computer Science</td> <td style="text-align: right;">3</td> </tr> </table> <p>Students should ensure that he or she has the necessary prerequisites for the chosen courses. At least nine of the credits for the minor must be taken from KFSCIS. Four of the minor courses cannot be courses that may be applied to the major program of the student.</p>	CDA 3102	Computer Architecture	3	COP 2210	Computer Programming I	4	COP 3337	Computer Programming II	3	CAP 4104	Human Computer Interaction	3	CAP 4770	Introduction to Data Mining	3	CEN 4010	Software Engineering I	3	CNT 4713	Net-centric Computing	3	COP 3530	Data Structures	3	COP 4226	Advanced Windows Programming	3	COP 4338	Systems Programming	3	COP 4520	Introduction to Parallel Computing	3	COP 4555	Principles of Programming Languages	3	COP 4604	Advanced Unix Programming	3	COP 4710	Database Management	3	COT 3541	Logic for Computer Science	3	<p><b>Minor in Computer Science</b></p> <p>A minor program is an arrangement of courses enabling a student to develop a degree of expertise and knowledge in an area of study in addition to his or her major academic program of study. 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Rationale: Please see the attached justification to this program catalog change proposal.