



DO NOT TYPE IN THIS BOX
 Bulletin #: 3
 Academic Year: 2022-23

FLORIDA INTERNATIONAL UNIVERSITY UNDERGRADUATE PROGRAM PROPOSAL

Changes to an Undergraduate Degree Program

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

School/College Engineering and Computing

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

Degree Title: Bachelor of Arts in Information Technology

B.A. B.S. Other Bachelor's _____

Proposed Implementation Date: 8/21/2023

PROPOSAL REQUESTED BY:

Faculty Contact Masoud Sadjadi *Masoud Sadjadi* 11 / 10 / 2022

(Type Name) (Signature)

sadjadi@cs.fiu.edu

(Email address) (Phone Number)

Chair (Dept./Div.) Jason Liu *[Signature]* 11 / 21 / 2022

(Type Name) (Signature)

Chair (Curr. Comm.) _____ / _____ / 2022

(Type Name) (Signature)

College/School Dean John Volakis _____ / _____ / 2022

(Type Name) (Signature)

NO HEARING REQUIRED. PLEASE SUBMIT ORIGINAL FORM.

DO NOT TYPE IN THIS BOX

Bulletin #: _____

Academic Year: _____

CHANGES TO UNDERGRADUATE DEGREE PROGRAM

PLEASE SUBMIT THIS FORM WITH YOUR PROPOSAL

Please fill out the coversheet in its entirety.

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

- I. List old degree's prescribed courses, other requirements, credits, and page number (left column)
- II. List new degree's prescribed courses, other requirements, and credits (**right column, use red font to denote additions to text and strikethrough feature to denote omissions**)
- III. Include a brief rationale for the change

Complete the checklist that begins on the following page.

- | | YES | NO | N/A |
|---|----------------------------------|----------------------------------|----------------------------------|
| 1. Do all courses exist in the current catalog? | <input checked="" type="radio"/> | <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="radio"/> |
| 3. If courses are not in the current catalog or proposed in this same bulletin, were they approved in a previous curriculum bulletin?
<ul style="list-style-type: none"> • If yes, attach a separate sheet indicating each course number, name, bulletin number, and bulletin date. • If the answers to 1, 2, or 3 are no, do not submit the proposal. Address the course issues first. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="radio"/> |
| 4. Do courses listed have the correct course prefixes, official titles, course numbers, and number of credits? | <input checked="" type="radio"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Do course descriptions match the existing catalog or proposed course descriptions? | <input checked="" type="radio"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Are all courses to be added taught in the same proposing department? | <input checked="" type="radio"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Are courses to be deleted taught in the same proposing department?
<ul style="list-style-type: none"> • If the answer to 6 or 7 is no, do you have written approval/acknowledgment of the other department(s)? The written approval(s) or acknowledgment(s) must be attached to the proposal. (You must have written approval before submitting this document.) | <input checked="" type="radio"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Does this change affect the courses measuring Student Learning Outcomes (SLOs) or Program Outcomes (POs) for the program? (For a copy of the assessment reports, please send a request to assessment@fiu.edu .) If yes, please submit revised SLOs and POs to assessment@fiu.edu for approval. Documentation of approval must be attached. | <input type="checkbox"/> | <input checked="" type="radio"/> | <input type="checkbox"/> |

YES NO N/A

9. Have you contacted the Office of Academic Planning and Accountability to determine if the proposed program changes constitute a substantive change that requires notification or a prospectus to be submitted to the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)? Please do so prior to submitting this form if you answer yes to any of the questions below.

- Will significant additional equipment be needed to deliver the revised program?

- Will significant additional facilities be needed to deliver the revised program?

- Will significant additional financial resources be needed to deliver the revised program?

- Will a significant amount of new content be required? (Significant is defined as equal to or greater than 25% new content.)

- o Changing 25% or more of the content of an existing degree constitutes a "significant departure" from the institution's existing programs and requires SACSCOC notification (or approval) prior to implementation. Whether to notify or to seek approval from SACSCOC depends on the amount of new content required. How much new content will be required for the revised program? (Please check the appropriate percent range below.)

25%-49% of the program's content, which requires notification to SACSCOC prior to implementation

50% or more of the program's content, which requires SACSCOC approval prior to implementation; approval must be obtained according to SACSCOC deadlines

- Will a significant number of new faculty members be required to deliver the revised program?

- Will significant additional library/learning resources be needed to deliver the revised program?

YES NO N/A

- Will at least 25% of the program be offered at a new location geographically apart from the main campus? (If yes, please check the appropriate percent range below.)

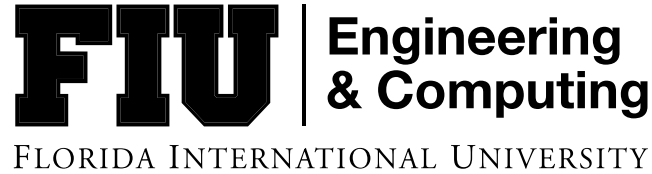
25%-49% of the program will be offered at a new location, which requires notification to SACSCOC prior to implementation

50% or more of the program will be offered at a new location, which requires SACSCOC approval prior to implementation; approval must be obtained according to SACSCOC deadlines

- Will the revised program enter into a collaborative academic arrangement that includes the initiation of a dual academic program with another institution?

- 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)?

Clear Form



To: Mary Cossio
Faculty Senate

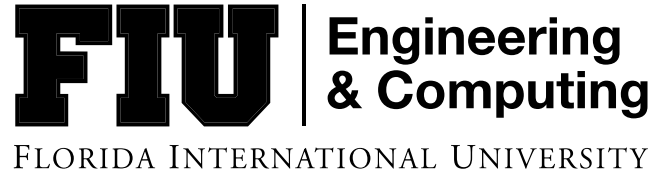
From: Dean or Assoc. Dean and College Curriculum Cmte. Chair

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

Date: November 24, 2022

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

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.

Bachelor of Arts in Information Technology

Justification for Program Changes

For keeping our BA in IT 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 451)	NEW																																																																								
<p>Bachelor of Arts in Information Technology</p> <p>Degree Program Hours: 120</p> <p>The Knight Foundation School of Computing and Information Sciences offers a Bachelor of Arts degree in Information Technology as a second major or as a second Bachelor Degree. This program is open to those students who are enrolled in and will be completing another bachelor degree program or those who already have a bachelor degree from an accredited institution. Computer Science and Computer Engineering are not accepted as the primary major at this time.</p> <p>The B.A. in Information Technology degree as a second major requires completion of prerequisite courses and 30 credit hours (10 courses) of required and elective courses as outlined below. All required courses must be completed with a grade of "C" or better.</p> <p>Lower Division Preparation</p> <p>To qualify for admission to the program, FIU undergraduates must have met all the University Core Curriculum requirements, completed 60 semester hours, must have a different primary major or a previous Bachelor degree, and must be otherwise acceptable into the program.</p> <p>As part of the 60 semester hours of lower division course work necessary to enter this upper division major, note the following recommendations or course requirements, or both.</p> <p>Common Prerequisite Courses and Equivalencies</p> <p>Courses which form part of the statewide articulation between the State University System and the Florida College System will fulfill the Lower Division Common Prerequisites.</p> <p>Please visit https://cpm.flvc.org for a current list of state-approved common prerequisites.</p> <p>Required Courses</p> <p>Common Prerequisites</p> <p>All students must have completed the following courses (or equivalent) prior to starting the Information Technology program.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">CGS 2060</td> <td style="width: 60%;">Introduction to Microcomputers</td> <td style="width: 5%; text-align: center;">3</td> <td style="width: 10%;"></td> </tr> <tr> <td colspan="4">or</td> </tr> <tr> <td>CGS 2100</td> <td>Introduction to Microcomputer Applications for Business</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td colspan="4">or</td> </tr> <tr> <td>CGS 2518</td> <td>Computer Data Analysis</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td>COP 2250</td> <td>Programming in Java</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td>COT 3100</td> <td>Discrete Structures</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td colspan="4">or</td> </tr> <tr> <td>MAD 1100</td> <td>Mathematics Concepts for Information Technology</td> <td style="text-align: center;">3</td> <td></td> </tr> </table> <p>Upper Division Requirements</p> <p>At least 50% of the upper division credits required for the BA in Information Technology must be taken at FIU.</p>	CGS 2060	Introduction to Microcomputers	3		or				CGS 2100	Introduction to Microcomputer Applications for Business	3		or				CGS 2518	Computer Data Analysis	3		COP 2250	Programming in Java	3		COT 3100	Discrete Structures	3		or				MAD 1100	Mathematics Concepts for Information Technology	3		<p>Bachelor of Arts in Information Technology</p> <p>Degree Program Hours: 120</p> <p>The Knight Foundation School of Computing and Information Sciences offers a Bachelor of Arts degree in Information Technology as a second major or as a second Bachelor Degree. This program is open to those students who are enrolled in and will be completing another bachelor degree program or those who already have a bachelor degree from an accredited institution. Computer Science and Computer Engineering are not accepted as the primary major at this time.</p> <p>The B.A. in Information Technology degree as a second major requires completion of prerequisite courses and 30 credit hours (10 courses) of required and elective courses as outlined below. All required courses must be completed with a grade of "C" or better.</p> <p>Lower Division Preparation</p> <p>To qualify for admission to the program, FIU undergraduates must have met all the University Core Curriculum requirements, completed 60 semester hours, must have a different primary major or a previous Bachelor degree, and must be otherwise acceptable into the program.</p> <p>As part of the 60 semester hours of lower division course work necessary to enter this upper division major, note the following recommendations or course requirements, or both.</p> <p>Common Prerequisite Courses and Equivalencies</p> <p>Courses which form part of the statewide articulation between the State University System and the Florida College System will fulfill the Lower Division Common Prerequisites.</p> <p>Please visit https://cpm.flvc.org for a current list of state-approved common prerequisites.</p> <p>Required Courses</p> <p>Common Prerequisites</p> <p>All students must have completed the following courses (or equivalent) prior to starting the Information Technology program.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">CGS 2060</td> <td style="width: 60%;">Introduction to Microcomputers</td> <td style="width: 5%; text-align: center;">3</td> <td style="width: 10%;"></td> </tr> <tr> <td colspan="4">or</td> </tr> <tr> <td>CGS 2100</td> <td>Introduction to Microcomputer Applications for Business</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td colspan="4">or</td> </tr> <tr> <td>CGS 2518</td> <td>Computer Data Analysis</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td>COP 2250</td> <td>Programming in Java</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td>COT 3100</td> <td>Discrete Structures</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td colspan="4">or</td> </tr> <tr> <td>MAD 1100</td> <td>Mathematics Concepts for Information Technology</td> <td style="text-align: center;">3</td> <td></td> </tr> </table> <p>Upper Division Requirements</p> <p>At least 50% of the upper division credits required for the BA in Information Technology must be taken at FIU.</p>	CGS 2060	Introduction to Microcomputers	3		or				CGS 2100	Introduction to Microcomputer Applications for Business	3		or				CGS 2518	Computer Data Analysis	3		COP 2250	Programming in Java	3		COT 3100	Discrete Structures	3		or				MAD 1100	Mathematics Concepts for Information Technology	3	
CGS 2060	Introduction to Microcomputers	3																																																																							
or																																																																									
CGS 2100	Introduction to Microcomputer Applications for Business	3																																																																							
or																																																																									
CGS 2518	Computer Data Analysis	3																																																																							
COP 2250	Programming in Java	3																																																																							
COT 3100	Discrete Structures	3																																																																							
or																																																																									
MAD 1100	Mathematics Concepts for Information Technology	3																																																																							
CGS 2060	Introduction to Microcomputers	3																																																																							
or																																																																									
CGS 2100	Introduction to Microcomputer Applications for Business	3																																																																							
or																																																																									
CGS 2518	Computer Data Analysis	3																																																																							
COP 2250	Programming in Java	3																																																																							
COT 3100	Discrete Structures	3																																																																							
or																																																																									
MAD 1100	Mathematics Concepts for Information Technology	3																																																																							

<p>Required Courses All students must complete the following courses (18 credits).</p> <table border="0"> <tr><td>CEN 3721</td><td>Introduction to Human-Computer Interaction</td><td>3</td></tr> <tr><td>CGS 3767</td><td>Computer Operating Systems</td><td>3</td></tr> <tr><td>CGS 4285</td><td>Applied Computer Networking</td><td>3</td></tr> <tr><td>CGS 4854</td><td>Web Site Construction and Management</td><td>3</td></tr> <tr><td>COP 3804</td><td>Intermediate Java</td><td>3</td></tr> <tr><td>COP 4703</td><td>Information Storage and Retrieval</td><td>3</td></tr> </table> <p>Information Technology Electives All students must complete 2 courses (6 credits) from the following.</p> <table border="0"> <tr><td>CIS 4431</td><td>IT Automation</td><td>3</td></tr> <tr><td>CNT 4403</td><td>Computing and Network Security</td><td>3</td></tr> <tr><td>CNT 4504</td><td>Advanced Network Management</td><td>3</td></tr> <tr><td>CNT 4513</td><td>Data Communications</td><td>3</td></tr> <tr><td>COP 4005</td><td>Windows Programming for IT Majors</td><td>3</td></tr> <tr><td>COP 4655</td><td>Mobile Application Development</td><td>3</td></tr> <tr><td>COP 4813</td><td>Web Application Programming</td><td>3</td></tr> <tr><td>COP 4814</td><td>Component-Based Software Development</td><td>3</td></tr> <tr><td>CTS 4348</td><td>Unix System Administration</td><td>3</td></tr> <tr><td>CTS 4408</td><td>Database Administration</td><td>3</td></tr> </table> <p>Cognate Electives 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.</p>	CEN 3721	Introduction to Human-Computer Interaction	3	CGS 3767	Computer Operating Systems	3	CGS 4285	Applied Computer Networking	3	CGS 4854	Web Site Construction and Management	3	COP 3804	Intermediate Java	3	COP 4703	Information Storage and Retrieval	3	CIS 4431	IT Automation	3	CNT 4403	Computing and Network Security	3	CNT 4504	Advanced Network Management	3	CNT 4513	Data Communications	3	COP 4005	Windows Programming for IT Majors	3	COP 4655	Mobile Application Development	3	COP 4813	Web Application Programming	3	COP 4814	Component-Based Software Development	3	CTS 4348	Unix System Administration	3	CTS 4408	Database Administration	3	<p>Required Courses All students must complete the following courses (18 credits).</p> <table border="0"> <tr><td>CEN 3721</td><td>Introduction to Human-Computer Interaction</td><td>3</td></tr> <tr><td>CGS 3767</td><td>Computer Operating Systems</td><td>3</td></tr> <tr><td>CGS 4285</td><td>Applied Computer Networking</td><td>3</td></tr> <tr><td>CGS 4854</td><td>Web Site Construction and Management</td><td>3</td></tr> <tr><td>COP 3804</td><td>Intermediate Java</td><td>3</td></tr> <tr><td>COP 4703</td><td>Information Storage and Retrieval</td><td>3</td></tr> </table> <p>Information Technology Electives All students must complete 2 courses (6 credits) from the following:</p> <p>CIS 4431 IT Automation 3 CNT 4403 Computing and Network Security 3 CNT 4504 Advanced Network Management 3 CNT 4513 Data Communications 3 COP 4005 Windows Programming for IT Majors 3 COP 4655 Mobile Application Development 3 COP 4813 Web Application Programming 3 COP 4814 Component-Based Software Development 3 CTS 4348 Unix System Administration 3 CTS 4408 Database Administration 3</p> <p><u>the list of electives maintained by KFSCIS (https://www.cis.fiu.edu/academics/degrees/undergraduate/second-major-in-it-track/).</u></p> <p>Cognate Electives 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.</p>	CEN 3721	Introduction to Human-Computer Interaction	3	CGS 3767	Computer Operating Systems	3	CGS 4285	Applied Computer Networking	3	CGS 4854	Web Site Construction and Management	3	COP 3804	Intermediate Java	3	COP 4703	Information Storage and Retrieval	3
CEN 3721	Introduction to Human-Computer Interaction	3																																																																	
CGS 3767	Computer Operating Systems	3																																																																	
CGS 4285	Applied Computer Networking	3																																																																	
CGS 4854	Web Site Construction and Management	3																																																																	
COP 3804	Intermediate Java	3																																																																	
COP 4703	Information Storage and Retrieval	3																																																																	
CIS 4431	IT Automation	3																																																																	
CNT 4403	Computing and Network Security	3																																																																	
CNT 4504	Advanced Network Management	3																																																																	
CNT 4513	Data Communications	3																																																																	
COP 4005	Windows Programming for IT Majors	3																																																																	
COP 4655	Mobile Application Development	3																																																																	
COP 4813	Web Application Programming	3																																																																	
COP 4814	Component-Based Software Development	3																																																																	
CTS 4348	Unix System Administration	3																																																																	
CTS 4408	Database Administration	3																																																																	
CEN 3721	Introduction to Human-Computer Interaction	3																																																																	
CGS 3767	Computer Operating Systems	3																																																																	
CGS 4285	Applied Computer Networking	3																																																																	
CGS 4854	Web Site Construction and Management	3																																																																	
COP 3804	Intermediate Java	3																																																																	
COP 4703	Information Storage and Retrieval	3																																																																	

Rationale: Please see the attached justification to this program catalog change proposal.