



DO NOT TYPE IN THIS BOX
Bulletin #: 2
Academic Year: 2021-22

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 Science in Cybersecurity

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

Proposed Implementation Date: 08/22/2022

PROPOSAL REQUESTED BY:

Faculty Contact Nagarajan Prabakar (Type Name) DocuSigned by:
Nagarajan Prabakar
8B12A4CE3C2443B... 10 / 19 / 2021
prabakar@cis.fiu.edu (Email address) 305-348-2033 (Phone Number)

Chair (Dept./Div.) Jason Liu (Type Name) DocuSigned by:
Jason Liu
BC4ED7E28F374B4... 10 / 19 / 2021
(Signature)

Chair (Curr. Comm.) Elias Alwan (Type Name) 10 / 25 / 2021
(Signature)

College/School Dean John Volakis (Type Name) Digitally signed by
Anthony McGoron
Date: 2021.10.25 16:02:38
0497 / / 2021
(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 prescribed courses, other requirements, credits and page number (left column)
- II. List new Degree 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

CHECK LIST

	YES	NO	N/A
1. Do all courses exist in the current catalog?			
2. If courses are not in the current catalog, are they proposed in the same Curriculum Committee Bulletin as this proposal?			
3. If courses are not in the current catalog or proposed in this same Bulletin, were they approved in a previous curriculum bulletin?			
If yes, attach a separate sheet indicating each course number, name, Bulletin number and Bulletin date.			
If the answers to 1, 2, and 3 are no, do not submit the proposal. Address the course issues first.			
4. Do courses listed have the correct course prefixes, official titles, course numbers and number of credits?			
5. Do course descriptions match the existing catalog or proposed course descriptions?			
6. Are all courses to be added taught in the same proposing department?			
7. Are courses to be deleted taught in the same proposing department?			
If the answer to #6 or #7 is no, do you have the written approval/ acknowledgement of the other department(s)? The written approval(s)/acknowledgment(s) must be attached. (You must have written approval before submitting this document.)			
8. Does this change affect the courses measuring Student Learning Outcomes (SLO) or Program Outcomes (PO) for the program (for a copy of the assessment reports, please send a request to assessment@fiu.edu)?			
If yes, please submit revised SLO and PO to assessment@fiu.edu for approval. Documentation of approval must be attached.			
9. Have you contacted the Office of Academic Planning and Accountability to determine if the proposed program change(s) is(are) a substantive change that requires notification or a prospectus to be submitted to the Southern Association of Colleges and Schools? Please do so prior to submitting this form if you answer "yes" to any of the questions below.			
Is there another closely related program already offered at FIU?			
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 new program?			
Will a significant number of new courses or content be required (defined as 25% - 33% or more new content/courses)?			
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?			
Will at least 50% of the program be offered at a new location geographically apart from the main campus?			
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)?			

Rationale for BS in Cybersecurity Degree Change Proposal

KFSCIS has started the BS in Cybersecurity program in Fall 2020. At that time, IDS-4918 “VIP Project” – a 3-credits course was included as the Capstone project course for the program.

This proposal requests the replacement of IDS-4918 (3-credits Capstone) course with the existing two-course Capstone sequence as below:

- CIS-3950 (1-credit Capstone I) at Junior level
- CIS-4951 (2-credits Capstone II) at Senior level

This change will benefit CY majors in learning the basics of Capstone project in CIS-3950 at the junior level and implement the Capstone project in CIS-4951 at the senior level.

FLORIDA INTERNATIONAL UNIVERSITY UNDERGRADUATE PROGRAM/CATALOG CHANGE PROPOSAL

FIU Undergraduate Catalog

Current (2021-2012)	Proposed																																																																																																																		
<p>Bachelor of Science in Cybersecurity</p> <p>Degree Program Hours: 120</p> <p>Lower Division</p> <p>Students must complete the following courses as part of their course work, preferably during the first 60 credits.</p> <p>Common Prerequisite FIU Equivalent Course(s)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>PSY X012</td><td>PSY 2012</td></tr> <tr><td>ECO X013</td><td>ECO 2013</td></tr> <tr><td>STA X023</td><td>STA 2023¹</td></tr> <tr><td>MAC X147</td><td>MAC 1147</td></tr> <tr><td>PHY XXXX</td><td>PHY 2053</td></tr> <tr><td>MAD X104</td><td>MAD2104²</td></tr> <tr><td>CGS X540</td><td>CGS 1540</td></tr> <tr><td>COP X270</td><td>COP 2270</td></tr> <tr><td>COP X250</td><td>COP 2250</td></tr> </table> <p>¹STA 2023 may be replaced with STA-2122 or STA-3111. ²MAD 2104 may be replaced with COT 3100.</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. Please visit https://cpm.flvc.org for a current list of state-approved common prerequisites.</p> <p>Degree Requirements</p> <p>Additional requirement: (students admitted with less than 55 credits)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">CGS 1920</td> <td style="width: 65%;">Introduction to Computing</td> <td style="width: 20%; text-align: right;">1</td> </tr> </table> <p>Upper-Division Requirements: At least 50% of the upper-division credits required for the BS in Cybersecurity must be taken at FIU.</p> <p>Third and Fourth Years – 33 credits</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>CEN 3721</td><td>Human Computer Interaction</td><td style="text-align: right;">3</td></tr> <tr><td>CGS 3095</td><td>Technology in the Global Arena–GL</td><td style="text-align: right;">3</td></tr> <tr><td>CGS 3767</td><td>Computer Operating Systems</td><td style="text-align: right;">3</td></tr> <tr><td>CGS 4285</td><td>Applied Computer Networking</td><td style="text-align: right;">3</td></tr> <tr><td>CIS 4365</td><td>Enterprise Cybersecurity</td><td style="text-align: right;">3</td></tr> <tr><td>CNT 4182</td><td>Mobile & IoT Security</td><td style="text-align: right;">3</td></tr> <tr><td>CNT 4403</td><td>Computing & Network Security</td><td style="text-align: right;">3</td></tr> <tr><td>COP 3804</td><td>Intermediate Java</td><td style="text-align: right;">3</td></tr> <tr><td>COP 4703</td><td>Information Storage & Retrieval</td><td style="text-align: right;">3</td></tr> <tr><td>ENC 3249</td><td>Professional and Technical Writing for Computing</td><td style="text-align: right;">3</td></tr> <tr><td>IDS 4918</td><td>Capstone VIP Project</td><td style="text-align: right;">3</td></tr> </table> <p>Cybersecurity Electives – 9 credits</p> <p>Students must complete three courses from the list of electives maintained by the School. 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Rationale: Please see the attached justification to this program catalog change proposal.