

Undergraduate Major Map

Catalog Year 2022
College / School Engineering
Major Cybersecurity - BS
Track / Concentration
Career Path Two Year Transfer

Fall Term 2022 This 2 Year plan assumes student has completed an Associates of Arts Degree from a Florida Public Institution as well as the following prerequisite courses for the major: CGS 1540; PSY 2012; ECO2013; PHY2053; MAD 1100; MAC 1105 and MAC 1114, or MAC 1140, or a higher level math course like MAC 1147 or MAC 2233 or MAC 2311; COP 2210 or COP 2250 (see endnotes). If not please speak with an advisor. ** Student is strongly encouraged to do an internship. Please contact STEM coordinator for more information.				Term Hours: 15	
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Cybersecurity Core Courses	CEN 3721	Intro Human-Comp Interaction	3		
Cybersecurity Core Courses	COP 3804	Intermediate Java	3		
Statistics for Business and Economics	STA 2023	Stat Bus & Eco	3	Or STA2122	
Professional and Technical Wri	ENC 3213	Prof and Tech Writing	3	or ENC 3249	
Cybersecurity Core Courses	CGS 3767	Computer Os	3		

Spring Term 2023 If you have any questions you may contact your advisor through the dashboard.				Term Hours: 15	
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Cybersecurity Core Courses	CGS 3095	Technology in the Global Arena	3	Satisfies GL Discipline Specific. (1) See Endnotes	
Secure C Programming for Engineers	COP 2270	Sec C Prog for Engineers	3		
Cybersecurity Core Courses	COP 4703	Info Retrieval	3		
Discrete Mathematics	COT 3100	Discrete Structures	3	Or MAD2104	
Cybersecurity Core Courses	CGS 4285	Appl Networking	3		

Summer Term 2023 Use this semester to catch up on coursework (if needed).					
---	--	--	--	--	--

Undergraduate Major Map

Fall Term 2023				Term Hours: 15
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Cybersecurity Core Courses	CNT 4403	Computer Security	3	
Electives			3	The list of electives will be updated from acceptable elective courses from the B.A. in CS, B.S. in IT, and from ECE concentration electives.
Electives			3	The list of electives will be updated from acceptable elective courses from the B.A. in CS, B.S. in IT, and from ECE concentration electives.
Interdisciplinary Study			3	Nine additional credits must be taken from one cognitive area outside SCIS. For example, 9 credits within a minor or certificate meets this requirement. Find minors and certificates in the FIU Undergraduate Catalog @ https://catalog.fiu.edu/ Pending advisor approval.
Cybersecurity Core Courses	CNT 4182	Mobile and IoT Security	3	

Undergraduate Major Map

Spring Term 2024				Term Hours: 15
If you have any questions you may contact your advisor through the dashboard.				
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Cybersecurity Core Courses	CIS 4365	Enterprise Security	3	
Additional Courses	IDS 4918	VIP Program - C	3	
Electives			3	The list of electives will be updated from acceptable elective courses from the B.A. in CS, B.S. in IT, and from ECE concentration electives.
Interdisciplinary Study			3	Nine additional credits must be taken from one cognitive area outside SCIS. For example, 9 credits within a minor or certificate meets this requirement. Find minors and certificates in the FIU Undergraduate Catalog @ https://catalog.fiu.edu/ Pending advisor approval.
Interdisciplinary Study			3	Nine additional credits must be taken from one cognitive area outside SCIS. For example, 9 credits within a minor or certificate meets this requirement. Find minors and certificates in the FIU Undergraduate Catalog @ https://catalog.fiu.edu/ Pending advisor approval.

Summer Term 2024				
------------------	--	--	--	--

General Requirements

2 Year plan assumes student has completed an Associates of Arts Degree from a Florida Public Institution as well as the following prerequisite courses for the major: CGS 1540; PSY 2012; ECO2013; PHY2053; MAD 1100; MAC 1105 and MAC 1114, or MAC 1140, or a higher level math course like MAC 1147 or MAC 2233 or MAC 2311; COP 2210 or COP 2250.

Critical Indicator is the minimum grade indicated in specific courses to demonstrate proficiency and progress in major. Earning less than the minimum grade is a trigger for a conversation with advisor.

GENERAL UNIVERSITY REQUIREMENTS

Transfer students are assumed to have completed an Associates of Arts Degree from a Florida Public Institution or completed 60 credits and the University Core Curriculum Requirements.

In addition, the following courses are required of incoming transfer students:

Undergraduate Major Map

(1) Global Learning Requirement for Transfers: Transfers entering FIU Fall 2011 or later are required to take two Global Learning courses.

Those who meet University Core Curriculum Requirements prior to entering FIU:

-Two Global Learning Discipline Specific Courses (One of the two may be a Global Learning Foundation Course chosen in consultation with your advisor)

Those who do not meet University Core Curriculum Requirements prior to entering FIU:

-One Global Learning Foundation Course (from the University Core Curriculum)

-One Global Learning Discipline Specific Course

Transfer courses may not be used to meet the FIU Global Learning Requirement. For a list of Global learning courses: <http://goglobal.fiu.edu>

COLLEGE OF ENGINEERING AND COMPUTING: Selected Major Requirements

Grades: Students must earn a minimum grade of 'C' in all math and major courses, and maintain a minimum of a 2.0 cumulative GPA.

(A) Interdisciplinary Credits: Nine credits must be taken outside SCIS. These credits must be selected from the courses for a minor or certificate in another discipline. All nine credits must be taken from the same minor or certificate.

(B) IT Electives: Students must take 5 elective courses. From the five areas of concentration select two areas and take two courses in those two selected areas (e.g. System Administration; Network Administration; Database Administration; Application Development; Security). The fifth course may be selected from any area of concentration. See PDA for list of options.

This document only lists SELECTED requirements. See your Panther Degree Audit for a full list of the College of Engineering and Computing, Information Technology major requirements at <http://my.fiu.edu>