Undergraduate Major Map

Catalog Year	2023
College / School	Engineering
Major	Information Technology - BS
Track / Concentration	Software
Career Path	Two Year Transfer

Fall Term 2023

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 2518 or CGS 2060 or CGS 2100; PSY 2012 or DEP2000 or CLP1006; MAD 2104; MAC 1105 and MAC 1114, or MAC1140, or a higher level math course like MAC1147 or MAC2233 or MAC2311; COP2210 (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
Cum GPA: 2.2

Course Group	Course Required	Course Description	Credit Hours	Course Notes
IT Software Track Core Courses	CEN 3721	Intro Human-Comp Interaction	3	
IT Software Track Core Courses	CGS 3767	Computer Os	3	
IT Software Track Core Courses	COP 3337	Programming II	3	
Professional and Technical Writing	ENC 3213	Prof and Tech Writing	3	or ENC 3249
General Electives			3	Contact Advisor for list of approved Global Learning (GL) Courses. (1) See Endnotes

Spring Term 2024

**Student is strongly encouraged to do an internship. Please contact STEM coordinator for more information if you have not done it yet.

Term Hours: 15
Cum GPA: 2.2

Course Group	Course Required	Course Description	Credit Hours	Course Notes
IT Software Track Core Courses	CGS 3095	Technology in the Global Arena	3	Satisfies GL Discipline Specific Requirement. (1) See Endnotes
IT Software Track Core Courses	CGS 4285	Appl Networking	3	
IT Software Track Core Courses	CGS 4854	Websiteconmgmt	3	
IT Software Track Core Courses	COP 4703	Info Retrieval	3	
Interdisciplinary Study			3	Course must meet requirement towards a Minor OR a Certificate Outside SCIS. (A) See Endnotes

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| **Summer Term 2024**
 ** Student should be doing an Internship this summer term. Please contact STEM coordinator for help.

 Use this semester to catch up on coursework (if needed). | | | | **Term Hours:** 6 |

Course Group	Course Required	Course Description	Credit Hours	Course Notes
General Electives			3	Could Register COP 3949 Internship Course for 3 Credits
IT Electives			3	Selected Concentration Area - Course 1. See PDA for options or speak to advisor for clarification. (B) See Endnotes.

| **Fall Term 2024**
 If you have any questions you may contact your advisor through the dashboard. | | | | **Term Hours:** 13
 Cum GPA: 2.2 |

Course Group	Course Required	Course Description	Credit Hours	Course Notes
IT Software Track Core Courses	CDA 3102	Computer Architecture	3	
IT Software Track Core Courses	CNT 4403	Computer Security	3	
IT Software Track Core Courses	COP 3530	Data Structures	3	
Interdisciplinary Study			3	Course must meet requirement towards a Minor OR a Certificate Outside SCIS. (A) See Endnotes
Capstone	CIS 3950	Capstone I	1	

| **Spring Term 2025**
 If you have any questions you may contact your advisor through the dashboard. | | | | **Term GPA:** 2
 Term Hours: 14 |

Course Group	Course Required	Course Description	Credit Hours	Course Notes
IT Software Track Core Courses	COP 4338	Systems Programming	3	
IT Software Track Core Courses	COP 4814	Compon Software Dev	3	
Interdisciplinary Study			3	Course must meet requirement towards a Minor or Certificate Outside SCIS. (A) See Endnotes
IT ELECTIVES			3	Selected Concentration Area - Course 2. See PDA for options or speak to advisor for clarification. (B) See Endnotes
Capstone	CIS 4951	Capstone II	2	

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 2518 or CGS 2060 or CGS 2100; PSY 2012 or DEP2000

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or CLP1006; MAD 1100; MAC 1105 and MAC 1114, or MAC1140, or a higher level math course like MAC1147, MAC2233 or MAC2311; COP2210 or COP2250.

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:

(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. Select two areas of concentration and take at least two courses in those two selected areas (e.g. System Administration; Network Administration; Database Administration; Application Development). The fifth course may be selected from any area of concentration

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