Undergraduate Major Map

Catalog Year	2023
College / School	Engineering
Major	Computer Science - BS
Track / Concentration	Software Dsgn and Devel
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: COP 2210, MAC 2311, MAC 2312, PHY 2048, PHY 2048L, PHY 2049, PHY 2049L, two Natural Science courses (BSC 1010, BSC 1011, CHM 1045, CHM 1046 or GLY 1010), and MAD 2104 (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: 12

Course Group	Course Required	Course Description	Credit Hours	Course Notes
Core Courses	CDA 3102	Computer Architecture	3	
Core Courses	COP 3337	Programming II	3	
Professional and Technical Writing	ENC 3249	Prof Tech Writing Comp	3	or ENC 3213 - Professional & Technical Writing
Introduction to Probability & Statistics	STA 3033	Prob & Stat For Cs	3	

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: 12

Course Group	Course Required	Course Description	Credit Hours	Course Notes
Core Courses	COP 3530	Data Structures	3	
Core Courses	COP 4338	Systems Programming	3	
Core Courses	CNT 4713	Net-centric Computing	3	
Core Courses	CGS 3095	Technology in the Global Arena	3	Satisfies the Discipline Specific GL requirement. (1) See Endnotes

Summer Term 2024

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

Term Hours: 6

Course Group	Course Required	Course Description	Credit Hours	Course Notes
Core Courses	COP 4338	Systems Programming	3	
Core Courses	COP 4555	Prin Of Prog Lang	3	

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Fall Term 2024				Term Hours: 13
Course Group	**Course Required**	**Course Description**	**Credit Hours**	**Course Notes**
Core Courses	CEN 4010	Software Eng I	3	
Core Courses	CEN 4072	Fund SW Testing	3	
COMPUTER SCIENCE BS ELECTIVES			3	See PDA for list of elective courses. (2) See Endnotes Students need to take 9 CS Electives - 1 CS Foundations Concentration, 1 CS Systems Concentration, 1 CS Applications Concentration, and 6 CS Additional Electives from any of the three concentrations.
COMPUTER SCIENCE TRACK			3	See PDA for list of elective courses. (2) See Endnotes Students need to take 9 CS Electives - 1 CS Foundations Concentration, 1 CS Systems Concentration, 1 CS Applications Concentration, and 6 CS Additional Electives from any of the three concentrations.
Capstone I and II	CIS 3950	Capstone I	1	

Spring Term 2025				Term Hours: 11
Course Group	**Course Required**	**Course Description**	**Credit Hours**	**Course Notes**
Core Courses	CEN 4021	Software Eng II	3	
Capstone I and II	CIS 4951	Capstone II	2	
COMPUTER SCIENCE BS ELECTIVES			3	See PDA for list of elective courses. (2) See Endnotes Students need to take 9 CS Electives - 1 CS Foundations Concentration, 1 CS Systems Concentration, 1 CS Applications Concentration, and 6 CS Additional Electives from any of the three concentrations.
COMPUTER SCIENCE BS ELECTIVES			3	See PDA for list of elective courses. (2) See Endnotes Students need to take 9 CS Electives - 1 CS Foundations Concentration, 1 CS Systems Concentration, 1 CS Applications Concentration, and 6 CS Additional Electives from any of the three concentrations.

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Summer Term 2025	Term Hours: 6
Use this semester to catch up on coursework (if necessary).	

Course Group	Course Required	Course Description	Credit Hours	Course Notes
Core Courses	COP 4610	Operating Syst Princ	3	
COMPUTER SCIENCE BS ELECTIVES			3	See PDA for list of elective courses. (2) See Endnotes Students need to take 9 CS Electives - 1 CS Foundations Concentration, 1 CS Systems Concentration, 1 CS Applications Concentration, and 6 CS Additional Electives from any of the three concentrations.

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 1920, COP 2210, MAC 2311, MAC 2312, two Natural Science courses (BSC 1010, BSC 1011, CHM1045, CHM1046 or GLY 1010, PHY 2048, PHY 2048L, PHY 2049, PHY 2049L), and MAD 2104.

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, physics, and all core courses and maintain a

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minimum of a 2.0 cumulative GPA.

(2) CS SDD Elective: students must take one Computer Science elective course. Please see Panther Degree Audit for full 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, and major requirements at http://my.fiu.edu