

Undergraduate Major Map

Catalog Year 2017
College / School Engineering
Major Computer Science - BS
Track / Concentration Software Dsgn and Devel
Career Path Two Year Transfer

Fall Term 2017

Term Hours: 15

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.

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Core Courses	CDA 3103	Fund Computer System	3		
Core Courses	COP 3337	Programming II	3	B-	
Core Courses	ENC 3249	Prof Tech Writing Comp	3		
Introduction to Probability & Statistics	STA 3033	Prob & Stat For Cs	3		
General Electives			3		Please see advisor for list of approved GL courses.

Spring Term 2018

Term Hours: 15

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

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Core Courses	CDA 4101	Structure Comp Org	3		
Core Courses	COP 3530	Data Structures	3		
Core Courses	COP 4338	Programming III	3		
Core Courses	COP 4710	Database Management	3		
Core Courses	COT 3541	Logic For Comp Sci	3		

Summer Term 2018

Term Hours: 3

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

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Core Courses	CNT 4713	Net-centric Computing	3		

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Fall Term 2018					Term Hours: 12
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Core Courses	CEN 4010	Software Eng I	3		
Core Courses	CEN 4072	Fund SW Testing	3		
Core Courses	CGS 3095	Technology in the Global Arena	3		Satisfies GL Discipline Specific. (1) See Endnotes
Discrete Mathematics	MAD 2104	Discrete Mathematics	3		

Spring Term 2019					Term Hours: 12
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Core Courses	CEN 4021	Software Eng II	3		
Core Courses	COP 4555	Prin Of Prog Lang	3		
Core Courses	COP 4610	Operating Syst Princ	3		
Software Track Electives			3		See PDA for list of options. (2) See Endnotes

Summer Term 2019					Term Hours: 3
Use this semester to catch up on coursework (if necessary).					
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Core Courses	CIS 4911	Senior Project	3		

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, PHY 2048, PHY 2048L, PHY 2049, PHY 2049L, two Natural Science courses (BSC 1010, BSC 1011, CHM1045, CHM1046 or GLY 1010), 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.

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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 major courses and maintain a minimum of a 2.0 cumulative GPA.

(2) CS Software Track Elective: students must take one 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>