

## Undergraduate Major Map

Catalog Year: 2017  
College / School: Engineering  
Major: Computer Engineering - BS  
Track / Concentration:  
Career Path: Two Year Transfer

### Fall Term 2017

Term GPA: 2.25  
Term Hours: 14  
Cum GPA: 2

\* TO DECLARE YOUR MAJOR IN ENGINEERING YOU MUST BE 'CALCULUS I READY'. FOR DETAILED INFORMATION GO TO:  
<https://cec.fiu.edu/advising/admission-policy/>

IN ORDER TO ADVANCE SWIFTLY, GRADUATE ON TIME AND AVOID EXCESS CREDIT SURCHARGES TRANSFER STUDENTS ARE STRONGLY ENCOURAGED TO COMPLETE ALL LOWER-LEVEL PRE-REQUISITES FOR THE PROGRAM \*\*\*PRIOR\*\*\* TO TRANSFERRING TO FIU. THE LOWER LEVEL PRE-REQUISITE COURSES INCLUDE: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, PHY 2049L, CHM 1045, CHM 1045L, EEL 2880, EGN 1110C, SPC 2608

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
ECE Courses	EEL 3110	Circuit Analysis	3	C+	Prerequisites: MAC 2312, PHY 2049, PHY 2049L, EGN 1002 Corequisites: EEL 2880, MAP 2302, EEL 3110L
ECE Courses	EEL 3110L	Circuits Lab	1		Prerequisites: MAC 2312, PHY 2049, PHY 2049L, EGN 1002 Corequisites: EEL 2880, MAP 2302, EEL 3110
ECE Courses	EEL 3712	Logic Design I	3		Corequisites: EEL 3110, EEL 3110L, EEL 3712L
ECE Courses	EEL 3712L	Logic Design I Lab	1		Corequisites: EEL 3110, EEL 3110L, EEL 3712
Additional Required Engineerin	EIN 3235	Eval Engr Data I	3		Prerequisite: MAC 2312
Mathematics and Sciences	MAP 2302	Differential Equat	3		Prerequisite: MAC 2312

### Spring Term 2018

Term GPA: 2.25  
Term Hours: 15  
Cum GPA: 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
ECE Courses	EEL 3120	Intro to Linear Systems	3		Prerequisites: MAC 2312, PHY 2049, PHY 2049L, EGN 1002
Computer Engineering (CpE) Program Core	EEL 3160	Comp Appl Elect Engr	3		Prerequisite: EEL 2880
Computer Engineering (CpE) Program Core	EEL 4709C	Computer Design	3		Prerequisites: EIN 3235, EEL 3712, EEL 3712L
Computer Engineering (CpE) Program Core	EEL 4730	Programming Embedded Sysms	3		Prerequisite: EEL 2880
Additional Required Engineerin	EGN 3613	Engineering Economy	3		

## Undergraduate Major Map

<b>Summer Term 2018</b>					<b>Term GPA:</b> 2.25
*See advisor for approved concentration elective list					<b>Term Hours:</b> 10
					<b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
ECE Courses	EEL 3135	Signals And Systems	3		Prerequisites: EEL 3120 and MAP 2302
Data System Software	MAD 2104	Discrete Mathematics	3		Prerequisite: MAC 1147 (ECE Department recommends you take this course after EEL 3712)
Concentration Elective Total Credits			4		

<b>Fall Term 2018</b>					<b>Term GPA:</b> 2.25
*See advisor for approved concentration elective list					<b>Term Hours:</b> 14
					<b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Computer Engineering (CpE) Program Core	EEL 4740	Embedded System	3		Prerequisite: EEL 4709C
Senior Design	EEL 4920	Senior Design I	2		Prerequisite: 100 Electrical Engineering Major Credits (including all EE Core Courses must be complete). See your advisor for permission. Satisfies GL Discipline Specific Requirement
Concentration Elective Total Credits			3		
Concentration Elective Total Credits			3		
Concentration Elective Total Credits			3		

## Undergraduate Major Map

<b>Spring Term 2019</b>					<b>Term GPA:</b> 2.25
*See advisor for approved concentration elective list					<b>Term Hours:</b> 14
					<b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Senior Design	EEL 4921C	Senior Design II	2		Prerequisite: EEL 4920 (See Advisor for Permission) Satisfies GL Discipline Specific Requirement
Concentration Elective Total Credits			3		
Concentration Elective Total Credits			3		
Concentration Elective Total Credits			3		
Concentration Elective Total Credits			3		

<b>Summer Term 2019</b>					<b>Term GPA:</b> 2.25
*See advisor for approved concentration elective list					<b>Term Hours:</b> 9
					<b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Concentration Elective Total Credits			3		
Concentration Elective Total Credits			3		
Concentration Elective Total Credits			3		

### General Requirements

\* The 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 the academic advisor.\*

#### GENERAL UNIVERSITY REQUIREMENTS

This document only lists SELECTED requirements. See your Panther Degree Audit for a full list of College of Engineering and major requirements at <http://my.fiu.edu> or see your academic advisor.

(1) 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. Those not meeting the above criteria will be required to meet the University's University Core Curriculum (UCC) requirements. In

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

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

Those transfer students who meet UCC requirements prior to entering FIU (e.g. those with an AA from a Florida public institution) must take:

- 2 Global Learning Courses, at least one of which must be a Discipline-Specific course. See advisor for list of approved Discipline-Specific courses within the major.

Those transfer students who do not meet UCC requirements prior to entering FIU must take:

- 1 Global Learning Foundations (University Core Curriculum) Course  
- 1 Global Learning Discipline-Specific Course. See advisor for list of approved Discipline-Specific courses within the major.

Transfer courses may not be used to meet this FIU requirement. All Global Learning courses must be taken at FIU. For a list of Global learning courses: <http://goglobal.fiu.edu>

(3) Foreign Language Requirement for Graduation: Any student who did not complete two years of the same foreign language in high school or at a post-secondary institution must either place out of this requirement with an appropriate score on the CLEP exam, or must successfully complete 8-10 credit hours of instruction in one foreign language prior to graduation.

(4) College of Engineering/ECE Department: Selected Requirements

Grades: Students must earn a minimum grade of "C" in all math, physics, and chemistry. Students must earn a minimum of a "C-" in all major courses and maintain a minimum of a 2.0 cumulative GPA. Note: EEL 4920 & EEL 4921C are taken during the student's last two semesters. EEL 4921C must be registered the semester right after taking EEL 4920, excluding Summer terms.

For specific grade requirements, pre requisites, and course offerings please consult your academic advisor.