

Undergraduate Major Map

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

Fall Term 2023 2 year plan assumes student has satisfied all UCC 1000-2000 level requirements, in addition to all Math, Physics, Chemistry, Geology and CAD Courses					Term GPA: 2 Term Hours: 13 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Engineering Sciences	CGN 2420	Computer Tools for Eng	3		
Engineering Sciences	EGN 3311	Statics	3		
Major Prerequisites - Statistics	ESI 3215	Eval Engr Data I	3	Alternate Course: STA 3033	
Major Required	SUR 2101C	Surveying	3		
General Electives	CGN 2161	Career Orientation in Civil En	1		

Spring Term 2024 ENV 3001 may be used to satisfy the Global Learning requirement. (2) See Endnotes					Term GPA: 2 Term Hours: 11 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Engineering Sciences	EGM 3520	Eng Mecha Of Materia	3		
Engineering Sciences	EGM 3520L	Materials Testing	1		
Engineering Sciences	EGN 3321	Dynamics	3		
Major Required	ENV 3001	Intro Enviro Engrng	3	This course may be used to satisfy the Global Learning requirement. (2) See Endnotes	
Major Required	ENV 3001L	Envir Lab I	1		

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Summer Term 2024					Term GPA: 2
					Term Hours: 7
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Engineering Sciences	CWR 3201	Fluid Mechanics	3		
Engineering Sciences	CWR 3201L	Fluid Mechanics Lab	1		
General Core	EGN 3613	Engineering Economy	3		

Fall Term 2024					Term GPA: 2
					Term Hours: 14
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Major Required	CEG 4011	Geotechnical Engr I	3		
Major Required	CEG 4011L	Geotechnical Test La	1		
Major Required	CES 3100	Structural Analysis	3		
Major Required	CWR 3540	Water Resources Eng.	3		
Major Required	TTE 4201	Transp Traffic Engr	3		
General Core	EGS 2030	Ethics/Legal Aspects	1		

Spring Term 2025					Term GPA: 2
A CE Technical Elective may be used to satisfy the Global Learning requirement. (2) See Endnotes					Term Hours: 13
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
CE Seminar or FE Exam	CGN 4980	Civil Engr Seminar	1		
Major Required	CES 4702	Reinforced Concrete	3		
Major Electives			3	Check Catalog and/or PDA for courses that satisfy this requirement.	
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Summer Term 2025 A CE Technical Elective may be used to satisfy the Global Learning requirement. (2) See Endnotes				Term GPA: 2 Term Hours: 9 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Major Required	CGN 4802	C E Sr Design Proj	3	
Major Required	CCE 4031	Proj Plan Civ Engr	3	
Major Electives			3	Check Catalog and/or PDA for courses that satisfy this requirement

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.
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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 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

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foreign language prior to graduation.

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

Grades: Students must earn a minimum grade of "C" in all math, science, engineering courses and pre-requisites.

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