

Undergraduate Major Map

Catalog Year: 2023
College / School: Engineering
Major: Environmental 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, Biology, and CAD courses.					Term GPA: 2 Term Hours: 14 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
General Core Required	CGN 2420	Computer Tools for Eng	3		
Engineering Sciences	EGN 3343	Thermodynamics I	3		
Engineering Sciences	EGM 3503	Applied Mechanics	4		
Major Mathematics	STA 3033	Prob & Stat For Cs	3	Alternate Course: ESI 3215	
Engineering Sciences	ENV 3081	Career Orientation and Pro M	1		

Spring Term 2024					Term GPA: 2 Term Hours: 15 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Required Courses	ENV 4351	Solid Haz Waste Mangmt	3		
Required Courses	ENV 3001L	Envir Lab I	1		
Required Courses	ENV 4513	Chem Env Eng	3		
Earth Sciences			3	Check Catalog and/or PDA for courses that satisfy this requirement.	
Earth Sciences			1	Check Catalog and/or PDA for courses that satisfy this requirement.	
General Core Required	EGS 2030	Ethics/Legal Aspects	1		
Required Courses	ENV 3001	Intro Enviro Engrng	3	This course may be used to satisfy the Global Learning requirement. (2) See Endnotes	

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Summer Term 2024				Term GPA: 2
				Term Hours: 8
				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	
Biological Sciences			3	Check Catalog and/or PDA for courses that satisfy this requirement.
Biological Sciences			1	Check Catalog and/or PDA for courses that satisfy this requirement.

Fall Term 2024				Term GPA: 2
A Technical Elective may be used to satisfy the Global Learning requirement. (2) See Endnotes				Term Hours: 16
				Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Required Courses	CWR 3540	Water Resources Eng.	3	
Required Courses	ENV 4005L	ENV Lab II	1	
Required Courses	ENV 4401	Water Supply Engrg	3	
General Core Required	EGN 3613	Engineering Economy	3	
Suggested Electives			3	Check Catalog and/or PDA for courses that satisfy this requirement.
Suggested Electives			3	Check Catalog and/or PDA for courses that satisfy this requirement.

Spring Term 2025				Term GPA: 2
A 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
Required Courses	ENV 4551	Wastewater Trtmt Eng	3	
EnvE Seminar	ENV 4960	Environmental Eng Seminar	1	
Suggested Electives			3	Check Catalog and/or PDA for courses that satisfy this requirement.
Required Courses	ENV 4891	ENV Senior Design	3	
Required Courses	ENV 4101	Air Pollution Engr	3	

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General Requirements

2 Year plan assumes student has completed an Associates of Arts Degree from a Florida Public Institution as well as the following pre-requisite courses for the major: MAP 2302, MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY2048L, PHY 2049, CHM 1045, CHM 1045L, CHM 1046, CHM 1046L, BSC 1010, BSC 1010L, EGN 1110C

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

(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 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 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>

(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/CEE Department: Selected Major Requirements

Grades: A minimum grade of 'C' is required in all writing courses, physics, chemistry, biology, and mathematics courses. A minimum grade of 'C' is required of all Environmental Engineering courses and prerequisite courses.

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>.

* Choose 1 Earth Sciences Elective with corresponding lab (e.g. GLY 1010 + GLY 1010L; GLY 3039 + GLY 3039L). See Panther Degree Audit for a full list of options.

** Choose 1 Biological Sciences Elective with corresponding lab (e.g. EVR 3013 + EVR 3013L; MCB 2000 + MCB 2000L). See Panther Degree Audit for full list of options.

*** Choose 3 Technical Electives (e.g. CEG4011, CGN 4321). See Panther Degree Audit for full list of options.

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