



ENVIRONMENTAL ENGINEERING COURSES

Effective: AY 2023-24 to present

Course	Credits	Title
CET 533	3	Water-Quality Control in Natural Systems
CET 540	3	Environmental Chemistry
CET 541	3	Environmental Microbiology
CET 543	3	Air Pollution Control Engineering

Note: All the above courses are required. See rotation for semester offering.

Planned (3-semester) Rotations:

CET 533	Spring 24, Fall 25, Spring 27....
CET 540	Fall 24, Spring 26, Fall 27 ...
CET 541	Fall 24, Spring 26, Fall 27 ...
CET 543	Fall 23, Spring 25, Fall 26, ...

Effective: AY 2011-12 to 2022-23

Course	Credits	Title
CET/CAE 533	3	Water-Quality Control in Natural Systems
CET/CAE 540	3	Environmental Chemistry
CET/CAE 542	3	Solid and Hazardous Waste Engineering

Notes: (1) All the above courses are required. See rotation for semester offering. (2) Since Spring 2022, CET/CAE 542 is no longer offered; this course can be replaced by either CET 541 or CET 543.

ENVIRONMENTAL ENGINEERING (ENV): BIOLOGY ELECTIVES

Effective: AY 2010-11 to present

Course	Credits	Title
BIL 150	4	General Biology (Lab not required by CET)
BIL 160	4	Evolution and Biodiversity (Lab not required by CET, BIL 150 is a prerequisite)

TECHNICAL ELECTIVES

Effective: AY 2016-17 to present

The requirement for the elective course called "Technical Elective" can be fulfilled by taking any regular engineering course offered in the College of Engineering (CoE) at the 200 level or above. There are no Technical Electives outside of the College of Engineering.

Effective: AY 2019-20 to present

CET 395 (Undergraduate Research-3 credits) can be counted as a Technical Elective towards graduation. Appropriate documentation and approval needs to be generated by the supervising CET faculty member.

Effective: AY 2011-12 to AY 2015-16

The requirement for the elective course called "Technical Elective" can be fulfilled by taking any regular engineering course offered in the College of Engineering (CoE) at the 200 level or above. Alternatively, the Technical Elective may be selected from the following list:

Course	Credits	Title
ARC 517	3	Construction Documents
AMP 402	3	Introduction to Ocean Engineering
AMP 509	3	Coastal Physics and Engineering
AMP 531	3	Ocean Measurements
AMP 535	3	Introduction Underwater Acoustics

MARINE/ATMOSPHERIC SCIENCE ELECTIVE

Effective: AY 2021-22 to present

Students must select the Marine/Atmospheric Science Elective from the list of 300-level or higher elective courses required for a minor in Marine Science. To complete the requirements for the minor additional courses are required.

Effective: Up to AY 2020-21

This elective was referred to as a RSMAS course.” The requirement is fulfilled by taking one of the following courses: MSC 340; MSC313; MSC314; OCE 509; OCE 576; OCE 542.

SENIOR DESIGN PROJECT I

Effective: AY 2016-17 to present

This is a joint project with the Department of Civil and Architectural Engineering. Each student enrolled in Senior Design Project I (CET/CAE 403) has primary responsibility for at least one discipline. Below are the pre- and co-requisite requirements by discipline. In addition to satisfying the pre-requisites and co-requisites shown below, students must also have Senior Standing.

Discipline	Pre-requisite(s)	Pre- or Co-requisite(s)
All	CAE 210, CAE 211, CET/CAE 330, and MAE 303	
Architectural Engineering Design	ARC 292 and ARC 293	CAE 361
Stormwater Management / Water Supply/Sewerage/Site Design/Paving and Grading/Transportation	CET/CAE 430 and CAE 450	CAE 530
Environmental /Water Treatment/Wastewater Treatment/Water-Quality Control/ Air-Quality Control	CET 340 and CET 440	None
Structural	CAE 320 and CAE 321	At least one additional course in structural engineering design, and CAE 470
Mechanical, Electrical, and Plumbing (MEP)	CAE 380 and CAE 381	CAE 480 and CAE 481

GENERAL CURRICULUM NOTES

1. Effective AY 2019-20: IEN 311 (Applied Probability and Statistics) can be substituted by MTH 224 (Introduction to Probability and Statistics).