



ENVIRONMENTAL ENGINEERING (ENV) COURSES

Effective: AY 2011-12 to present

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

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

ENVIRONMENTAL ENGINEERING (ENV): BIOLOGY ELECTIVES

Effective: AY 2010-11 to present

Course	Credits	Title
BIL 150	4	General Biology (Lab not required by CAE)
BIL 160	4	Evolution and Biodiversity (Lab not required by CAE, 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 CAE 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

Course selected from the list of 300-level or higher elective courses required for a minor in Marine Science.

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

Each student enrolled in Senior Design Project I (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 and obtain the permission of the instructor.

Discipline	Pre-requisite(s)	Pre- or Co-requisite(s)
All	CAE 210, CAE 211, 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	CAE 430 and CAE 450	CAE 530
Environmental /Water Treatment/Wastewater Treatment/Water-Quality Control	CAE 340 and CAE 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).