

Environmental Engineering

Catalog Year 2025-2026

Note: This is a recommended sequence and shifts are likely to occur due to prerequisite completion and course availability.

Semester One	Semester Two
CHEM 1127Q: General Chemistry I (4 credits) (TOI 6)	CHEM 1128Q: General Chemistry II (4 credits) (TOI 6)
MATH 1131Q: Calculus I (4 credits)	MATH 1132Q: Calculus II (4 credits)
CSE 1010: Intro to Computing for Engineers (3 credits)	ENGR 1166: Foundations of Engineering (3 credits)
ENGL 1007: Writing and Composition (4 credits)	ENVE 1000E: Environ. Sustainability (3 credits) (TOI 4/TOI 5)
ENGR 1000: Orientation to Engineering (1 credit)	ENGR 1195: AI4All (2 credits)
17 credits	16 credits

Semester Three	Semester Four
PHYS 1501Q: Physics for Engineers I (4 credits) (TOI 6)	PHYS 1502Q: Physics for Engineers II (4 credits)(TOI 6)
MATH 2110Q: Multivariable Calculus (4 credits)	MATH 2410Q: Elem. Differential Equations (3 credits)
CE 2110: Applied Mechanics I (3 credits)	Biological Science Requirement (3 credits)
ENVE 2310E: Environ. Eng. Fundamentals (3 credits)	CHEG 2111 or ME 2233: Thermodynamics (3 credits)
CE 2251: Probability & Statistics in CEE (3 credits)	TOI Course (3 credits)
17 credits	16 credits

Semester Five	Semester Six
ENVE 3220: Water Quality Engineering (3 credits)	ENVE 3230: Air Pollution Control (3 credits)
ENVE 4210: Environ. Engineering Chemistry (3 credits)	ENVE 4320: Ecological Principles & Eng. (3 credits)
ENVE 3201: Environ. Eng. Laboratory I (1 credit)	ENVE 3202: Environ. Eng. Laboratory II (1 credit)
ENVE 3120: Fluid Mechanics (4 credits)	Earth Science Requirement (3 credits)
ENVE 2411: Intro to Computer Aided Design (1 credit)	Professional Requirement (3 credits)
TOI Course (3 credits)	TOI Course (3 credits)
	CE 2211: Engineering Economics (1 credit)
15 credits	17 credits

Semester Seven	Semester Eight
ENVE 4910W: Environ. Eng. Design I (2 credits)	ENVE 4920W: Environ. Eng. Design II (2 credits)
ENVE 4810: Engineering Hydrology (3 credits)	ENVE 4310: Environmental Modeling (3 credits)
Professional Requirement (3 credits)	ENVE 4530: Geoenviro. Eng. or ENVE 4540: Des. Of Groundwater Sys. (3 credits)
Professional Requirement (3 credits)	Professional Requirement (3 credits)
Free Elective (3 credits)	Free Elective (3 credits)
Free Elective* (2 credits): Can take either semester 7 or 8	Free Elective* (2 credits): Can take either semester 7 or 8
*14/16 credits	*14/16 credits

*as needed to reach total degree credits

Total Credits: 128
