

**Environmental Engineering**  
Catalog Year 2024-2025

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

<b>Semester One</b>	<b>Semester Two</b>
CHEM 1127Q: General Chemistry I (4 credits)	CHEM 1128Q: General Chemistry II (4 credits)
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 (CA 2) (3 credits)
	Gen Ed (3 credits)
<b>15 credits</b>	<b>17 credits</b>

<b>Semester Three</b>	<b>Semester Four</b>
PHYS 1501Q: Physics for Engineers I (4 credits)	PHYS 1502Q: Physics for Engineers II (4 credits)
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 <b>or</b> ME 2233: Thermodynamics (3 credits)
CE 2251: Probability & Statistics in CEE (3 credits)	PHIL 1104: Philosophy & Social Ethics (CA 1) (3 credits)
<b>17 credits</b>	<b>16 credits</b>

<b>Semester Five</b>	<b>Semester Six</b>
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 <b>or</b> CHEG 3123: Fluid Mechanics (4 credits)	Earth Science Requirement (3 credits)
ENVE 2411: Intro to Computer Aided Design (1 credit)	Professional Requirement (3 credits)
Free Elective (3 credits)	Gen Ed (3 credits)
<b>15 credits</b>	<b>16 credits</b>

<b>Semester Seven</b>	<b>Semester Eight</b>
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. <b>or</b> ENVE 4540: Des. Of Groundwater Sys. (3 credits)
Professional Requirement (3 credits)	Professional Requirement (3 credits)
Gen Ed (3 credits)	Gen Ed/Free Elective (3 credits)
CE 2211: Engineering Economics (1 credit)	Free Elective*
<b>15 credits</b>	<b>14+ credits</b>

\*as needed to reach total degree credits

*See reverse for important general education and major specific information.*

**Total Credits: 128**