

**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) |
| ENGR 1000: Orientation to Engineering (1 credit)       | Gen Ed (3 credits)                                     |
| <b>17 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**