Minor in Environmental Engineering

Minor Codes:
1233

For the minor, 18–20 semester hours are required, excluding prerequisite courses. Students who wish to minor in Environmental Engineering must complete the following courses:

**Prerequisite Courses**

- MATH 180  Calculus I  4
- MATH 181  Calculus II  4
- MATH 210  Calculus III  3
- MATH 220  Introduction to Differential Equations  3
- PHYS 141  General Physics I (Mechanics)  4
- CHEM 122 & CHEM 123  General Chemistry I Lecture and General Chemistry Laboratory I  5
- or CHEM 116  Honors and Majors General and Analytical Chemistry I

Select at least two of the following: 6-7

- CME 201  Statics
- CME 211  Fluid Mechanics and Hydraulics
- or ME 211  Fluid Mechanics I
- CHE 201  Introduction To Thermodynamics
- or ME 205  Introduction to Thermodynamics

**Total Hours** 29-30

At least two courses must be outside the student’s department.

**Required Courses**

Select two of the following: 6-7

- CME 311  Water Resources Engineering
- CME 322  Environmental Engineering
- CHE 321  Chemical Reaction Engineering
- CHE 311  Transport Phenomena I
- ME 321  Heat Transfer

Select two of the following: 6-7

- CHE 421  Combustion Engineering
- CME 425  Environmental Remediation Engineering
- ME/CHE 450  Air Pollution Engineering

Select two of the following: 6

- CHE 413  Introduction to Flow in Porous Media
- CME 421  Water Treatment Design
- CME 422  Wastewater Treatment Design

**Total Hours** 18-20