Minor in Environmental Engineering

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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 180</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 181</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Introduction to Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 141</td>
<td>General Physics I (Mechanics)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 122 &amp;</td>
<td>General Chemistry I Lecture</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>General Chemistry Laboratory I</td>
<td></td>
</tr>
<tr>
<td>or CHEM 116</td>
<td>Honors and Majors General and Analytical</td>
<td></td>
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</tbody>
</table>

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