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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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; 123</td>
<td>General Chemistry I Lecture</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 116</td>
<td>Honors and Majors General and Analytical Chemistry I</td>
<td></td>
</tr>
</tbody>
</table>

Select at least two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CME 201</td>
<td>Statics</td>
</tr>
<tr>
<td>CME 211</td>
<td>Fluid Mechanics and Hydraulics</td>
</tr>
<tr>
<td>or ME 211</td>
<td>Fluid Mechanics I</td>
</tr>
<tr>
<td>CHE 201</td>
<td>Introduction To Thermodynamics</td>
</tr>
<tr>
<td>or ME 205</td>
<td>Introduction to Thermodynamics</td>
</tr>
</tbody>
</table>

Total Hours 29-30

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

Required Courses

Select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CME 311</td>
<td>Water Resources Engineering</td>
</tr>
<tr>
<td>CME 322</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>CHE 321</td>
<td>Chemical Reaction Engineering</td>
</tr>
<tr>
<td>CHE 311</td>
<td>Transport Phenomena I</td>
</tr>
<tr>
<td>ME 321</td>
<td>Heat Transfer</td>
</tr>
</tbody>
</table>

Select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 421</td>
<td>Combustion Engineering</td>
</tr>
<tr>
<td>CME 425</td>
<td>Environmental Remediation Engineering</td>
</tr>
<tr>
<td>ME/CHE 450</td>
<td>Air Pollution Engineering</td>
</tr>
</tbody>
</table>

Select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 413</td>
<td>Introduction to Flow in Porous Media</td>
</tr>
<tr>
<td>CME 421</td>
<td>Water Treatment Design</td>
</tr>
<tr>
<td>CME 422</td>
<td>Wastewater Treatment Design</td>
</tr>
</tbody>
</table>

Total Hours 18-20