## Pre-Environmental Engineering

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTEE 101</td>
<td>CHEMICAL, BIOLOGICAL, AND ENVIRONMENTAL ENGR ORIENTATION</td>
<td>3</td>
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<tr>
<td>CTEE 102</td>
<td>ENGINEERED PROBLEM SOLVING AND COMPUTATION</td>
<td>3</td>
</tr>
<tr>
<td>CH 231 &amp; CH 261</td>
<td>GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 231</td>
<td>5</td>
</tr>
<tr>
<td>CH 232 &amp; CH 262</td>
<td>GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 232</td>
<td>5</td>
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<tr>
<td>COMM 111 or COMM 114</td>
<td>*PUBLIC SPEAKING or *ARGUMENT AND CRITICAL DISCOURSE</td>
<td>3</td>
</tr>
<tr>
<td>HHS 231</td>
<td>*LIFETIME FITNESS FOR HEALTH</td>
<td>2</td>
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<tr>
<td>HHS 241</td>
<td>*LIFETIME FITNESS (or any PAC course)</td>
<td>1/2</td>
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<tr>
<td>MTH 251</td>
<td>*DIFFERENTIAL CALCULUS</td>
<td>4</td>
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<tr>
<td>MTH 252</td>
<td>INTEGRAL CALCULUS</td>
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<tr>
<td>MTH 254</td>
<td>VECTOR CALCULUS</td>
<td>4</td>
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<tr>
<td>PH 211</td>
<td>*GENERAL PHYSICS WITH CALCULUS</td>
<td>4</td>
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<tr>
<td><strong>Second Year</strong></td>
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<tr>
<td>CTEE 211</td>
<td>MATERIAL BALANCES AND STOICHIOMETRY</td>
<td>3</td>
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<tr>
<td>CTEE 212</td>
<td>ENERGY BALANCES</td>
<td>3</td>
</tr>
<tr>
<td>CTEE 213</td>
<td>PROCESS DATA ANALYSIS</td>
<td>4</td>
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<tr>
<td>CH 331 &amp; CH 332</td>
<td>ORGANIC CHEMISTRY and ORGANIC CHEMISTRY</td>
<td>8</td>
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<tr>
<td>ENGR 211</td>
<td>STATICS</td>
<td>3</td>
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<tr>
<td>ENGR 212</td>
<td>DYNAMICS</td>
<td>3</td>
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<tr>
<td>ENGR 213</td>
<td>STRENGTH OF MATERIALS</td>
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</tr>
<tr>
<td>GEO 221</td>
<td>*ENVIRONMENTAL GEOLOGY</td>
<td>4</td>
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<tr>
<td>MTH 256</td>
<td>APPLIED DIFFERENTIAL EQUATIONS</td>
<td>4</td>
</tr>
<tr>
<td>MTH 306</td>
<td>MATRIX AND POWER SERIES METHODS</td>
<td>4</td>
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<tr>
<td>PH 212 &amp; PH 213</td>
<td>*GENERAL PHYSICS WITH CALCULUS or *GENERAL PHYSICS WITH CALCULUS</td>
<td>8</td>
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<tr>
<td><strong>Perspective</strong></td>
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Total Hours: 96-97

1. Prerequisite for several upper-division courses. Recommended for completion prior to entry into the professional program or in fall term of junior year.
2. Required for entry into the professional program.
3. Must be selected to satisfy the requirements of the baccalaureate core.

* Baccalaureate Core Course (BCC)
^ Writing Intensive Course (WIC)

Pre-Environmental Engineering Major Code: 332