<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1601, 1601L</td>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>ES 1401, 1402, 1403</td>
<td>Intro to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1300</td>
<td>Acc Single-Var Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>LAC</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Vanderbilt Visions</td>
<td>0</td>
</tr>
</tbody>
</table>

| total hours | 14 |

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Course</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 1101 (or CS 1103)</td>
<td>Prog &amp; Prob Solving</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1301</td>
<td>Acc Single-Var Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1601, 1601L</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>MSE 1500, 1500L</td>
<td>Materials Science I</td>
<td>4</td>
</tr>
</tbody>
</table>

| total hours | 15 |

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Course</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 2101</td>
<td>Civil &amp; Environmental Eng. Info. Systems</td>
<td>3</td>
</tr>
<tr>
<td>CE 2120</td>
<td>Sustainable Design in Civil Eng.</td>
<td>3</td>
</tr>
<tr>
<td>CE 2200</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2300</td>
<td>Multivariable Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1602, 1602L</td>
<td>General Physics II &amp; Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

| total hours | 16 |

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Course</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 2205</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>CE 3501</td>
<td>Transportation Systems Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ME 2190</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ME 2220 or ChBE 2200</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2420</td>
<td>Methods of Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>LAC</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

| total hours | 18 |

<table>
<thead>
<tr>
<th>Semester 5</th>
<th>at the University College Cork</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 3200 (VU distance)</td>
<td>Structural Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CE 2003 (3 hrs CE 3700)</td>
<td>Fluids I</td>
<td>3</td>
</tr>
<tr>
<td>CE Program Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAC</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

| total hours | 15 |

<table>
<thead>
<tr>
<th>Semester 6</th>
<th>Course</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 3100W</td>
<td>Civil &amp; Environmental Eng. Lab</td>
<td>2</td>
</tr>
<tr>
<td>CE 3205</td>
<td>Structural Design</td>
<td>3</td>
</tr>
<tr>
<td>CE 3300</td>
<td>Risk, Reliability, &amp; Resilience Eng.</td>
<td>3</td>
</tr>
<tr>
<td>CE 3705</td>
<td>Water Resources Eng.</td>
<td>3</td>
</tr>
<tr>
<td>ENGM 2160</td>
<td>Engineering Economy</td>
<td>3</td>
</tr>
<tr>
<td>LAC</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

| total hours | 17 |

<table>
<thead>
<tr>
<th>Semester 7</th>
<th>Course</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 4400</td>
<td>Construction Project Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>CE 4950</td>
<td>Civil Eng. Design I</td>
<td>1</td>
</tr>
<tr>
<td>CE 4959*</td>
<td>Sr. Engineering Design Seminar</td>
<td>1</td>
</tr>
<tr>
<td>CE 3700L*</td>
<td>Fluid Mechanics Lab</td>
<td>1</td>
</tr>
<tr>
<td>MSE 2205</td>
<td>Strength &amp; Structure of Materials</td>
<td>1</td>
</tr>
<tr>
<td>CE Design Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CE Program Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAC Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

| total hours | 16 |

<table>
<thead>
<tr>
<th>Semester 8</th>
<th>Course</th>
<th>Cr Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 4951</td>
<td>Civil Eng. Design II</td>
<td>2</td>
</tr>
<tr>
<td>CE Design Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAC</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

| total hours | 14 |

| total hours | 125 |

*CEE Faculty will work with you to facilitate simultaneous enrollment in these courses.

This curriculum plan is a guide but NOT authoritative. The Undergraduate Catalog is the authoritative document regarding degree requirements. Students considering studying abroad should consult the catalog and discuss their plans with their academic advisers.