<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>SOPHOMORE</th>
<th>JUNIOR</th>
<th>SENIOR</th>
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<tr>
<td><strong>Fall (17 hrs)</strong></td>
<td><strong>Spring (16 hrs)</strong></td>
<td><strong>Fall (17 hrs)</strong></td>
<td><strong>Spring (16 hrs)</strong></td>
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<tr>
<td>CVEEN 1000 Intro to Civil &amp; Environmental Engineering</td>
<td>CVEEN 1400 Computer-Aided Design</td>
<td>CVEEN 2000 Seminar</td>
<td>CVEEN 2140 Strength of Materials</td>
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<tr>
<td>MATH 1080</td>
<td>MATH 1330 &amp; PHYS 2210</td>
<td>MATH 1130</td>
<td>MATH 1330</td>
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<tr>
<td>MATH 1310 Engineering Calculus I</td>
<td>MATH 1320 Engineering Calculus II</td>
<td>MATH 1330</td>
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<tr>
<td><strong>General Ed. Requirement</strong></td>
<td><strong>PHYS 2210 Physics for Sci &amp; Engineers I</strong></td>
<td><strong>PHYS 2275 Probability &amp; Statistics</strong></td>
<td><strong>PHYS 2275 Computer Tools</strong></td>
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<tr>
<td><strong>WRTG 1010</strong></td>
<td><strong>CHEM 2500 Surveying</strong></td>
<td><strong>CHEM 2500 Dynamics</strong></td>
<td><strong>CHEM 2500 Transportation</strong></td>
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<td><strong>MG EN 2300</strong></td>
<td><strong>ME EN 2500</strong></td>
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<tr>
<td><strong>ARCH 1615 Intro to Architecture (FF)</strong></td>
<td><strong>^ GEO 1100 Evolving Earth</strong></td>
<td><strong>CVEEN 3700</strong></td>
<td><strong>CVEEN 4212</strong></td>
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<tr>
<td><strong>^ GEO 1000 Humanities (BH)</strong></td>
<td><strong>^ GEO 1100 Social &amp; Ethical Engineering (BF)</strong></td>
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<tr>
<td><strong>MATH 2250 Principles of Construction Eng.</strong></td>
<td><strong>ECON 2010 Microeconomics (BF)</strong></td>
<td><strong>SUST 5350 Management</strong></td>
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<tr>
<td><strong>ENGINEERING MATH 2020</strong></td>
<td><strong>ECON 2020 Macroeconomics (BF)</strong></td>
<td><strong>SUST 5350 Management</strong></td>
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<td><strong>ECON 2030 Econometrics (BF)</strong></td>
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**Recommended General Education Courses**
- LEAP 1501 Social & Ethical Engineering (BF) - Fall only
- LEAP 1500 Humanities for Engineers (HFDV) - Spring only

- ^ GEO 1100 - can be substituted with GEO 1110 & 1115 Earth Systems and Lab (4)

*Full Major Status Required Prerequisite Corequisite*

**Total Required Credit Hours:** 141.5
TECHNICAL ELECTIVES (choose 3)

**Water Resources**
- CVEEN 5410 Engineering Hydrology
- CVEEN 5420 Open–Channel
- CVEEN 5605 Water & Wastewater Treatment
- CVEEN 5610 Water Chemistry
- CVEEN 5305 Intro to Foundations
- CVEEN 5500 Sustainable Materials
- CVEEN 5570 Pavement Design
- CVEEN 5510 Sustainable Materials

**Environmental**
- CHEM 1220, MATH 1220 & PHYS 2220
- CVEEN 5610 Water Chemistry
- CVEEN 5500 Sustainable Materials
- CVEEN 5570 Pavement Design

**Geotech & Materials**
- CVEEN 3520 & 2140
- CVEEN 5610 Water Chemistry
- CVEEN 5570 Pavement Design
- CVEEN 3510 & 3515
- CVEEN 3510 & 3515
- CVEEN 4222 Steel I
- CVEEN 4222 Steel I
- CVEEN 3210
- CVEEN 3210
- CVEEN 3210

**Structures**
- CVEEN 3520 & 2140
- CVEEN 5510 & 3515
- CVEEN 5500 Sustainable Materials
- CVEEN 5570 Pavement Design
- CVEEN 3210
- CVEEN 3210
- CVEEN 3210
- CVEEN 3210
- CVEEN 3210
- CVEEN 3210
- CVEEN 3210

**Transportation**
- CVEEN 5510 Transportation Planning
- CHEM 1220, MATH 1220 & PHYS 2220
- CVEEN 5500 Sustainable Materials
- CVEEN 5570 Pavement Design
- CVEEN 3510 & 3515
- CVEEN 4222 Steel I
- CVEEN 4222 Steel I
- CVEEN 4222
- CVEEN 4222

**Nuclear Engineering**
- CHEM 1220, MATH 1220 & PHYS 2220
- NUCL 3000 Nuclear Principals in Engineering & Science
- NUCL 3100 Neutron Based Engineering
- NUCL 3000
- Any 3000+ level course from the College of Engineering or an ABET accredited program

**Other** (Max 1)
- CVEEN 5240 Reinforced Timber/Masonry
- CVEEN 3210
- CVEEN 3210
- CVEEN 3210

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Caveat: Semester availability is subject to change at the discretion of the department and does not create a binding contractual nexus or obligation between the student and the University of Utah.