<table>
<thead>
<tr>
<th>FALL (17 hrs)</th>
<th>SPRING (16 hrs)</th>
<th>FALL (14.5 hrs)</th>
<th>SPRING (18 hrs)</th>
<th>FALL (17 hrs)</th>
<th>SPRING (17 hrs)</th>
<th>FALL (15 hrs)</th>
<th>SPRING (15 hrs)</th>
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<tbody>
<tr>
<td>CVEEN 1000</td>
<td>Intro to Civil &amp; Environmental Engineering</td>
<td>CVEEN 0000</td>
<td>CVEEN 2010</td>
<td>CVEEN 3210</td>
<td>Structural Loads &amp; Analysis (QI)</td>
<td>CVEEN 1400</td>
<td>Computer-Aided Design</td>
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<tr>
<td>MATH 1050 &amp; 1060 or MATH 1080</td>
<td>SP</td>
<td>F</td>
<td>O.S.</td>
<td>F/SP</td>
<td>3</td>
<td>SP</td>
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<tr>
<td>PHYS 2210</td>
<td>Physics for Sci &amp; Engineers II</td>
<td>CHEM 1215</td>
<td>Lab</td>
<td>CHEM 1215</td>
<td>Lab</td>
<td>CHEM 1225</td>
<td>Gen Chemistry II Lab</td>
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<td>F/SP</td>
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<td>F/SP</td>
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<td>F/SP</td>
<td>F/SP</td>
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### FRESHMAN

- **General Ed. Requirement**
  - MATH 1050 or MATH 1080
  - SP
  - 3

- **WRTG 1010**
  - Intermediate Writing
  - F/SP/SU
  - 3

- **CHEM 1210**
  - Gen Chemistry I
  - F/SP/SU
  - 3

- **PHYS 2210**
  - Physics for Sci & Engineers
  - F/SP/SU
  - 3

### SOPHOMORE

- **CHEM 1225**
  - Gen Chemistry II Lab
  - F/SP/SU
  - 3

- **PHYS 2225**
  - Physics for Sci & Engineers II Lab
  - F/SP/SU
  - 3

- **MG EN 2400**
  - Surveying
  - F/SU
  - 3

### JUNIOR

- **MG EN 2400**
  - Surveying
  - F/SU
  - 3

- **Phys 1220 & Phys 2210**
  - Calculus I
  - F/SP
  - 3

### SENIOR

- **Phys 1220 & Phys 2210**
  - Calculus II
  - F/SP
  - 3

- **Gen Ed. Requirement**
  - F/SP/SU
  - 3

- **Phys 2221**
  - Calculus III
  - F/SP
  - 3

- **Phys 2225**
  - Physics for Sci & Engineers II Lab
  - F/SP/SU
  - 3

- **Phys 2250**
  - Diff Equations & Linear Algebra
  - F/SP
  - 4

- **Gen Ed. Requirement**
  - F/SP/SU
  - 3

- **Phys 2221**
  - General Ed. Requirement/DV
  - F/SP
  - 3

### GENERAL ED.

- **Phys 2221 & Phys 2222**
  - Probability & Statistics
  - F/SP
  - 3

- **Phys 2221 & Phys 2222**
  - Physics for Sci & Engineers II Lab
  - F/SP/SU
  - 3

### TECHNICAL ELECTIVES

- **Phys 2221**
  - Calculus III
  - F/SP
  - 3

- **Phys 2222**
  - Linear Algebra
  - F/SP
  - 4

- **Phys 2221**
  - Diff Equations & Linear Algebra
  - F/SP
  - 4

- **Phys 2221**
  - General Ed. Requirement
  - F/SP/SU
  - 3

- **Phys 2221**
  - Corequisite
  - F/SP/SU
  - 3

- **Phys 2221**
  - Required
  - F/SP/SU
  - 3

### ADDITIONAL SCIENCE REQUIREMENT

- **Phys 2221**
  - Additional Science Requirement
  - F/SP/SU
  - 3

**Key:**
- **Full Major Status Required**
- **Prerequisite**
- **Corequisite**

**Recommended General Education Courses**

- LEAP 1501 Social & Ethical Engineering (BF) - Fall only
- LEAP 1500 Humanities for Engineers (HFDV) - Spring only

**Total Required Credit Hours:** 129.5
Congratulations on reaching the Technical Electives! These delve deeper into the various areas covered in the 3000-level courses. A total of 6 Technical Electives, with the exception of Fastrax students, are required. While you are able to take courses in your areas of interest, further specialization is achieved by pursuing Graduate School.

Primary Technical Electives

To graduate with a Bachelor of Science Degree in Civil Engineering you must:

1. Take at least one course from 3 of the 5 emphasis areas in the Primary section. Three different checkboxes must be marked to fulfill this requirement.
2. Complete at least two Design courses from different emphasis areas. These are designated by a shaded box. Example: CVEEN 4221 and CVEEN 5420

As long as these requirements are satisfied, you may take the remaining 3 technical electives in either section.

Secondary Technical Electives

With the exception of Construction, where only one course may be taken, you may take multiple courses in a single emphasis area — up to a total of 3 courses.

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.