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<tr>
<th>FRESHMAN</th>
<th>SPRING</th>
<th>SOLOPHMORE</th>
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<tr>
<td><strong>Fall (17 hrs)</strong></td>
<td><strong>Spring (16 hrs)</strong></td>
<td><strong>Fall (16.5 hrs)</strong></td>
<td><strong>Spring (16 hrs)</strong></td>
<td><strong>Fall (14 hrs)</strong></td>
<td><strong>Spring (15 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>
<td>CVEEN 3100 Structural Loads &amp; Analysis (QI)</td>
<td>CVEEN 3210 Design Capstone</td>
<td>CVEEN 3100, 3700, 4221, 5720, &amp; 1 Design Tech Ele</td>
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<tr>
<td>MATH (1050 &amp; 1060) or MATH 1080</td>
<td>MATH 1310</td>
<td>MATH 1310 &amp; PHYS 2210</td>
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<tr>
<td>PHYS 2210 Physics for Sci &amp; Engineers I</td>
<td>CHEM 1210 Gen Chemistry I</td>
<td>CHEM 1215 Gen Chemistry I Lab</td>
<td>CHEM 1220 Gen Chemistry II</td>
<td>CHEM 1225 Gen Chemistry II Lab</td>
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<td>MATH 1060</td>
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<tr>
<td>PHYS 2215 Physics for Sci &amp; Engineers I Lab</td>
<td>PHYS 2225 Physics for Sci &amp; Engineers II Lab</td>
<td>PHYS 2215 Physics for Sci &amp; Engineers I Lab</td>
<td>PHYS 2225 Physics for Sci &amp; Engineers II Lab</td>
<td>PHYS 2215 Physics for Sci &amp; Engineers I Lab</td>
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<td>PHYS 2215 Physics for Sci &amp; Engineers I Lab</td>
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<tr>
<td>^ GEO 1100 Evolving Earth</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 & Lab (4)

**Have you completed 3 of the 4 shaded courses?** Is your EGPA 2.50? **If yes, apply for Full Major Status!**

**Total Required Credit Hours: 124.5**

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**KEY**
- Full Major Status Required
- Prerequisite
- Corequisite

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**Construction Engineering**

**COLLEGE OF ENGINEERING | THE UNIVERSITY OF UTAH**

Updated May 13, 2020
TECHNICAL ELECTIVE COURSES

Students must complete three technical elective courses.

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

1. Complete at least one course from the Primary section.
2. Complete at least one Design course from the Secondary Section. These are designated by a shaded box. Example: CVEEN 5510

As long as these requirements are satisfied, you may take the remaining one technical elective from either section.

PRIMARY TECHNICAL ELECTIVES

- **CVEEN 5710**
  Cost Estimation & Proposal Writing
  F 20/22 3

- **CVEEN 5730**
  Project Management & Contract Admin.
  SP 20/22 3

- **CVEEN 5750**
  Engineering Law & Contracts
  SU 20/22 3

SECONDARY TECHNICAL ELECTIVES

- **Structures**
  - **CVEEN 4222**
    Steel I
    SP 3 3
  - **CVEEN 5240**
    Reinforced Timber/Masonry
    F 4

- **Transportation**
  - **CVEEN 5510**
    Highway Design
    SP 3

- **Geotech & Materials**
  - **CVEEN 5305**
    Introduction to Foundations
    F 3
  - **CVEEN 5500**
    Sustainable Materials
    SP 3

- **Architecture**
  - **ARCH 6371**
    Intensive Materials & Construction
    F 3

- **Other (Max 1)**
  - Any 3000+ level course from the College of Engineering or an ABET accredited program
  - 3+

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.