### PRE-PROFESSIONAL PROGRAM

<table>
<thead>
<tr>
<th>FRESHMAN FALL</th>
<th>FRESHMAN SPRING</th>
<th>SOPHOMORE FALL</th>
<th>SOPHOMORE SPRING</th>
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<tbody>
<tr>
<td>COURSE</td>
<td>CR</td>
<td>SEM</td>
<td>COURSE</td>
</tr>
<tr>
<td>CEE 1880*</td>
<td>1</td>
<td>F</td>
<td>CEE 2270*</td>
</tr>
<tr>
<td>Orientation &amp; Comp. App.</td>
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<td></td>
<td>Comp. Engineering Drafting</td>
</tr>
<tr>
<td>CEE 2240*</td>
<td>3</td>
<td>F</td>
<td>MATH 1220*</td>
</tr>
<tr>
<td>Engineering Surveying</td>
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<td></td>
<td>Calculus 2</td>
</tr>
<tr>
<td>CHEM 1210*</td>
<td>4</td>
<td>FSpSu</td>
<td>PHYS 2210*</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td></td>
<td></td>
<td>Physics 1</td>
</tr>
<tr>
<td>CHEM 1215*</td>
<td>1</td>
<td>FSpSu</td>
<td>PHYS 2215*</td>
</tr>
<tr>
<td>Chemistry 1 Lab</td>
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<td>Physics 1 Lab</td>
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<tr>
<td>MATH 1210*</td>
<td>4</td>
<td>FSpSu</td>
<td>GEO 1110*</td>
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<tr>
<td>Calculus 1</td>
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<td></td>
<td>Physical Geology</td>
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<tr>
<td>GENERAL EDUCATION</td>
<td>3</td>
<td>FSpSu</td>
<td>GEO 1115*</td>
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<tr>
<td>Breadth Course (BAl)</td>
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<td>Physical Geology Lab</td>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
<td></td>
<td><strong>TOTAL CREDITS</strong></td>
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</table>

### UNIVERSITY REQUIREMENTS

English 1010 is a University requirement and is a prerequisite for English 2010. An English ACT score of 29+ or an SAT verbal score of 640+ will fulfill the English 1010 requirement.

### PRE-PROFESSIONAL PROGRAM (PPRU) REQUIREMENTS

- Complete courses marked with an asterisk (*)
- No more than three total repeats for PPRU courses
- Minimum 2.5 PPRU GPA
- Minimum grade of C- for PPRU courses

### PROFESSIONAL PROGRAM (PP) REQUIREMENTS

- No more than three total repeats for Professional Program courses
- Minimum 2.0 Professional GPA
- Up to 10 “D” credits are allowed (all other grades must be a C- or better)

### ACADEMIC YEAR

2023-24
# CIVIL ENGINEERING RECOMMENDED FOUR-YEAR CURRICULUM

**College of Engineering**  
**Utah State University**

Any discrepancy between this chart and the 2023-24 General Catalog is resolved in favor of the General Catalog.

### Year 1

**Fall Semester**  
**Total Credits: 16**  
(MATH 1050 - 1060 prerequisite)

- CEE 2240*  
  Engr. Surveying  
  3 Credits
- MATH 1210*  
  Calculus I  
  4 Credits
- CHEM 1210*  
  Chemistry I  
  4 Credits
- CEE 1880*  
  CEE Orient. & Comp.  
  1 Credit

**Spring Semester**  
**Total Credits: 15**  
(MATH 1050 prerequisite)

- CEE 2270*  
  Comp. Engineering  
  Drafting  
  2 Credits
- MATH 1220*  
  Calculus II  
  4 Credits
- CHEM 1215*  
  Chemistry Lab  
  3 Credits
- GEO 1110*  
  Physical Geology  
  3 Credits

**Civil Focus Area Courses**

- CEE 3020 - Structural Analysis
- CEE 3080 - Design of Reinforced Concrete Structures
- CEE 3210 - Introduction to Transportation Engineering
- CEE 3430 - CEE Hydrology
- CEE 3510 - CEE Hydraulics
- CEE 4300 - Engineering Soil Mechanics

### Year 2

**Fall Semester**  
**Total Credits: 17**

- ENGR 2100*  
  ENGR 2140*  
  Statics  
  Mechanics of Materials  
  3 Credits  
  3 Credits
- ENGR 3160  
  CEE 3610  
  CEE 3165  
  Civ. Engr. Materials  
  CEE Focus Area  
  3 Credits  
  3 Credits
- ENGR 3080  
  ENGR 3020  
  Technical Communication  
  Dynamics  
  3 Credits  
  3 Credits
- ENGL 2010  
  Intermediate Writing  
  3 Credits

**Spring Semester**  
**Total Credits: 16**

- CEE 3360  
  CEE 3640  
  Drinking Water Engineering  
  CEE 3650 - Water Wastewater Engineering  
  3 Credits  
  2 Credits  
  2 Credits

**Civil Focus Area Courses**

### Year 3

**Fall Semester**  
**Total Credits: 16**

- CEE 3500  
  FLUID MECHANICS  
  6 Credits
- ENGR 2210*  
  Electr. or Thermo. Design I  
  1 Credit
- CEE 3880  
  CEE 4880  
  CEE Tech. Elect.  
  CEE Focus Area  
  2 Credits  
  2 Credits
- CHEM 1215*  
  Chemistry Lab  
  3 Credits
- BIOL 1010  
  Biology and the Citizen  
  3 Credits
- BIOL 1010  
  Biological Physiology  
  3 Credits

**Spring Semester**  
**Total Credits: 15**

- CEE 3680  
  Civ. & Env. Engr. Design II  
  2 Credits
- CEE 3680  
  CEE 4880  
  CEE Tech. Elect.  
  CEE Focus Area  
  2 Credits  
  2 Credits
- CHEM 1215*  
  Chemistry Lab  
  3 Credits
- BIOL 1010  
  Biology and the Citizen  
  3 Credits
- BIOL 1010  
  Biological Physiology  
  3 Credits

**Civil Focus Area Courses**

### Year 4

**Fall Semester**  
**Total Credits: 17**

- CEE 4300 - Engineering Soil Mechanics  
- CEE 4300 - Engineering Soil Mechanics  
- CEE 4300 - Engineering Soil Mechanics  
- CEE 4300 - Engineering Soil Mechanics  
- CEE 4300 - Engineering Soil Mechanics

**Spring Semester**  
**Total Credits: 16**

- CEE 4200  
  Engineering Economics  
  3 Credits
- ENGL 2010*  
  BIOLOGY AND THE CITIZEN  
  3 Credits
- ENGL 2010*  
  Intermediate Writing  
  3 Credits

**Civil Focus Area Courses**

* Required for admission to Professional Program.

### Apply for Professional Program

**FE Exam**

* Required for admission to Professional Program.