# Civil Engr. (Building Science)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td>ENGR 102</td>
<td>CE 108</td>
<td>CE 106</td>
<td>CE 225</td>
</tr>
<tr>
<td>PHYS 151L</td>
<td>PHYS 152L</td>
<td>CE 215</td>
<td>CE 309</td>
</tr>
<tr>
<td>MATH 126</td>
<td>MATH 226</td>
<td>ARCH 205aL</td>
<td>ARCH 114</td>
</tr>
<tr>
<td>WRIT 150</td>
<td>GEN ED</td>
<td>MATH 245</td>
<td>ARCH 205bL</td>
</tr>
<tr>
<td>GEN ED</td>
<td>OPTIONAL ELECTIVE</td>
<td>GEN ED</td>
<td>OPTIONAL ELECTIVE</td>
</tr>
<tr>
<td>GEN ED</td>
<td>CHEM 105aL</td>
<td>GEN ED</td>
<td>WRIT 340</td>
</tr>
</tbody>
</table>

**Engineering**

- **CE 106**: Introduction to Civil Engineering
- **CE 108**: Intro. to Computer Methods in Civil Engr.
- **CE 119**: Probability Concepts & Civil Engineering
- **CE 215**: Statics & Dynamics
- **CE 225**: Mechanics of Deformable Bodies
- **CE 309**: Fluid Mechanics
- **CE 334L**: Mechanical Behavior of Materials
- **CE 358L**: Elementary Theory of Structures
- **CE 408**: Risk & Decision Analysis in Civil Engr.
- **CE 456**: Structural Design I
- **CE 457**: Structural Design II
- **CE 458**: Computational Structural Analysis
- **CE 460**: Construction Engineering
- **CE 467L**: Geotechnical Engineering
- **ENGR 102**: Engineering Freshman Academy

**Mathematics**

- **MATH 126**: Calculus II
- **MATH 226**: Calculus III
- **MATH 245**: Mathematics of Phys. & Engr.

**Science**

- **CHEM 105aL**: General Chemistry
- **GEOL 305L**: Intro. to Engineering Geology
- **PHYS 151L**: Mechanics & Thermodynamics
- **PHYS 152L**: Electricity & Magnetism

**General Education**

As a USC Viterbi student, your General Education (Gen Ed) curriculum will include courses in the Arts, Humanistic Inquiry and Social Analysis.

**Writing**

- **WRIT 150**: Writing & Critical Reasoning
- **WRIT 340**: Advanced Writing

**Electives**

Your optional electives are one way to build engineering+ into your curriculum by choosing classes of interest to you.

Courses with this symbol may be satisfied with certain AP, IB or A-Level exams. With each requirement you replace with prior credit, you increase your optional electives, creating more flexibility for you to pursue additional electives and increase your engineering+ education.

This is a simplified version of a complex curriculum with options and choices made between advisor and student. Course choices can vary by semester and adjust to include relevant topics and materials. Although every attempt has been made to ensure accuracy, the program requirements listed in the USC Catalogue supersede any information which may be contained in this or any other publication of any school or department. The information found in this document is not intended for advising purposes. The University reserves the right to change its policies, rules, regulations, requirements and course offerings at any time.