# Department of Civil, Construction, and Environmental Engineering:
## Bachelor of Science in Environmental Engineering (BSEnvE)

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 121*</td>
<td>Intro to CCEE (1)</td>
</tr>
<tr>
<td>MATH 125</td>
<td>Calculus I MA (4)</td>
</tr>
<tr>
<td>ENGR 103</td>
<td>Engineering Graphics (1)</td>
</tr>
<tr>
<td>EN 101</td>
<td>English Comp I FC (3)</td>
</tr>
<tr>
<td>CH 101</td>
<td>Chemistry I N (4)</td>
</tr>
<tr>
<td>CH 102</td>
<td>CE 320</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th>15 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 171</td>
<td>Engineering Graphics (1)</td>
</tr>
<tr>
<td>MATH 126</td>
<td>Calculus II MA (4)</td>
</tr>
<tr>
<td>AEM 201</td>
<td>Statics (3)</td>
</tr>
<tr>
<td>EN 102</td>
<td>English Comp II FC (3)</td>
</tr>
<tr>
<td>EN 101</td>
<td>ENGR 171</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall</th>
<th>16 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 171</td>
<td>Engineering Graphics (1)</td>
</tr>
<tr>
<td>MATH 115</td>
<td></td>
</tr>
<tr>
<td>CE 260</td>
<td>Surveying (2)</td>
</tr>
<tr>
<td>MATH 227</td>
<td>Calculus III MA (4)</td>
</tr>
<tr>
<td>AEM 250</td>
<td>Mechanics of Materials (3)</td>
</tr>
<tr>
<td>AEM 250</td>
<td>ENGR 171</td>
</tr>
</tbody>
</table>

### SOPHOMORE YEAR

<table>
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<th>Fall</th>
<th>16 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 171</td>
<td>Engineering Graphics (1)</td>
</tr>
<tr>
<td>MATH 115</td>
<td></td>
</tr>
<tr>
<td>CE 260</td>
<td>Surveying (2)</td>
</tr>
<tr>
<td>MATH 227</td>
<td>Calculus III MA (4)</td>
</tr>
<tr>
<td>AEM 250</td>
<td>Mechanics of Materials (3)</td>
</tr>
<tr>
<td>AEM 250</td>
<td>ENGR 171</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th>16 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEM 201</td>
<td>CE 262</td>
</tr>
<tr>
<td>AEM 250</td>
<td>CE 331</td>
</tr>
<tr>
<td>AEM 250</td>
<td>CE 340</td>
</tr>
<tr>
<td>AEM 250</td>
<td>CE 366</td>
</tr>
</tbody>
</table>

### Approved Natural Science (N) Electives

- **Required:** CH 101, CH 102, PH 105, and BSC 114/115
- **Approved Electives:**
  - GEO 101 Dynamic Earth
  - GEO 102 Earth Through Time GEO 104 Hazardous Earth GEO 105 Sustainable Earth
  - GY 101 Atmospheric Processes
  - GY 102 Earth Surface Processes

  *Note: Natural Science Elective must be an "Earth" science.*

### Advising Notes

- *ENGR 111 or 121 from any UA Engineering Department will meet requirements of CE 121*
- **HI/SB** = History & Social and Behavioral Science
- **HU/L/FA** = Humanities/Literature/Fine Arts
  - EC 110 is recommended as SB electives
  - Foreign language is recommended as HU electives
- **FC** = Freshman Composition
- **MA** = Mathematics
- **C** = Computer Science
- **W** = Writing

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**Revision 2.3 January 2021**
# Department of Civil, Construction, and Environmental Engineering: Bachelor of Science in Environmental Engineering (BSEnvE)

## Junior Year

### Fall
- 16 Hours
  - **CH 101**
  - Environment (3)
  - **AEM 311**
  - Environmental Assessment (3)
  - **BSC 114/115**
  - Environmental Biology (4)
  - **COM 123**
  - Public Speaking (3)
  - **HI/SB1**
  - Elective (3)

### Spring
- 16 Hours
  - **CE 262**
  - Environmental Engineering (3)
  - **AEM 250**
  - Geotechnical Engineering (4)
  - **CE 378**
  - Water Resources Engineering (3)
  - **CE 425**
  - Air Pollution (3) Spring Only
  - **CE 422**
  - Solid/Hazardous Waste (3) Fall Only

## Senior Year

### Fall
- 15 Hours
  - **CE 425**
  - Environmental Measurements (3)
  - **CE 475**
  - Hydrology (3)
  - **CE 405**
  - Senior Plan of Study Elective* (3)

### Spring
- 16 Hours
  - **CE 320**
  - Senior Plan of Study Elective* (3)
  - **CE 424**
  - Water/Waste Treatment (3) Fall Only
  - **CE 405**
  - Senior Design Site: Env E (4)
  - **CE 405**
  - Capstone Design Site: EnvE

### Advising Notes
- Please see the student guide to Senior Plan of Study Electives for a full list of electives and requirements.
- All students are strongly encouraged to prepare for and take the Fundamentals of Engineering (FE) Exam, at the end or immediately following their senior year.

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*Advising Notes-Plan of Study*

- Prerequisites (C- or greater): CE 320, CE 340, and CE 378 and at least one 400 level C.E. course
- Co-requisites (C- or greater) (may be taken concurrently with CE 405): CE 424, CE 425, and CE 475

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**Senior Design Prequisite and Corequisite Requirements**

- CE 405 Capstone Design Site: EnvE

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- HU/L/FA = Humanities/Literature/Fine Arts
- C = Computer Science
- W = Writing
- N = Natural Science

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Revision 2.3 January 2021