# Bachelor of Science in Environmental Engineering

## FRESHMAN YEAR

### Fall
- **15 Hours**
  - MATH 125 Calculus I
  - MA (4)
  - MATH 126 Calculus II
  - MA (4)
  - PH 105
  - AEM 201
  - ENGR 103 Engineering Foundations (3)
  - HI/SB Elective (3)
  - EN 101 English Comp I
  - FC (3)
  - EN 102 English Comp II
  - FC (3)

### Spring
- **15 Hours**
  - MATH 126 Calculus II
  - MA (4)
  - PH 105 Physics I w/CAL I
  - N (4)
  - ENGR 171 Large Scale Graphics (1)
  - CE 320
  - CH 100 or 101 Chemistry I
  - N (4)
  - ENGR 103 Intro to CCEE (1)
  - ENGR 103

## SOPHOMORE YEAR

### Fall
- **16 Hours**
  - AEM 250
  - MATH 126 Calculus III
  - MA (4)
  - ENGR 171
  - GES 255
  - MATH 227
  - MA (4)
  - MATH 228
  - CE 378

### Spring
- **16 Hours**
  - MATH 126
  - MATH 238 Differential Equations
  - MA (3)
  - AEM 311
  - AEM 201
  - AEM 250
  - HI/SB Elective (3)
  - CE 260 Surveying
  - CE 260
  - CE 320
  - CE 340

## Natural Science (N)
- Required: CH 100 or 101 or 117, PH 105 or 125, CH 102 or 118, BSC 114/115 or 118
- Natural Science (N) Elective: GEO 101, 102, 104 or 105, OR GY 101, 102, 202 or 207
- Note: Natural Science Elective must be an "Earth" science.

## Advising Notes
- HU/L/FA = Humanities/Literature/Fine Arts
- HI/SB = History/Social and Behavioral Science
- EC 110 is recommended as SB
- W = Writing
- MA = Mathematics
- C = Computer Science
- A grade of C- or higher is required in each course that is a prerequisite to any course needed to meet degree requirements.
- Honors College participants refer to your DegreeWorks for Honors College requirements and course options.
- A max of 12 hours of 300/400 level courses can be transferred.
- Students are limited to a max of three attempts per course offered by the College, excluding withdrawals.

## KEY
- Prerequisite Course(s)
- Corequisite Course(s)
- Course ### Title (Credits)
- Downward Dependencies

This is a coursework planning tool. The UA Undergraduate Catalog contains the official listing of academic information.
# Bachelor of Science in Environmental Engineering

## Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>JUNIOR YEAR</th>
<th>Spring</th>
<th>Fall</th>
<th>SENIOR YEAR</th>
<th>Spring</th>
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<tr>
<td>16 Hours</td>
<td>AEM 201 MATH 227</td>
<td>AEM 311 Fluid Mechanics (3)</td>
<td>CE 378</td>
<td>CE 405</td>
<td>CE 420 Environmental Measurements</td>
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<td>CE 320</td>
<td>CE 422 Solid &amp; Hazardous Waste Mgmt Fall Only (3)</td>
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<td>CH 101</td>
<td>CE 320 Intro to Environmental Engineering (3)</td>
<td>CE 405</td>
<td>CE 320</td>
<td>CE 424 Water &amp; Wastewater Treatment</td>
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<td>AEM 311</td>
<td>CE 405</td>
<td>CE 422</td>
<td>CE 378</td>
<td>CE 475 Hydrology</td>
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<td>AEM 264 AEM 311</td>
<td>CE 424</td>
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<td>BSC 114/115 Principles of Biology I N (4)</td>
<td>AEM 311</td>
<td>CE 425 Air Quality Engineering</td>
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<td>Spring Only (3)</td>
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<td>Thermal Engr Survey or ME 215 Thermodynamics I (3)</td>
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<td>HU/L/FA Elective (3)</td>
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## Senior Year

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<td>16 Hours</td>
<td>CE 320 CE 378 GES 255</td>
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<td>CE 405</td>
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<td>CE 420</td>
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<td>CE 405 Capstone Design: Site W (4)</td>
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### Senior Plan of Study Electives
See department list for electives.

### CE 405 Capstone Design Site: EnvE
Prerequisites (C- or greater): CE 320, CE 340, and CE 378
Prerequisites with concurrency (can be taken concurrently): CE 424, CE 425, and CE 475.
- Capstone Design CE 405 must be taken at UA. No transfer credit accepted.

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Department of Civil, Construction and Environmental Engineering
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