### Bachelor of Science in Environmental Engineering

#### FRESHMAN YEAR

**Fall**
- 15 Hours
- MATH 125 Calculus I
  - MA (4)
- MATH 126
- PH 105

**Spring**
- 15 Hours
- MATH 125
- MATH 126 Calculus II
  - MA (4)
- AEM 250
- AEM 264
- GES 255
- MATH 227
- MATH 238

#### SOPHOMORE YEAR

**Fall**
- 16 Hours
- MATH 126
- MATH 227 Calculus III
  - MA (4)
- AEM 311

**Spring**
- 16 Hours
- MATH 126
- MATH 238 Differential Equations
  - MA (3)

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**Required: CH 100 or 101, AND PH 105 AND BC 112 AND BSC 114/115**

**Choose one from this list.**
- GEO 101, 102, 104 or 105, OR
- GY 101, 102, 202 or 207

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

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**Approved Natural Science (N)**

**Advising Notes**
- HU/L/FA = Humanities/Literature/Fine Arts
  - Foreign language is recommended as HU
  - HI/SB = History/Social and Behavioral Science
  - EC 110 is recommended as SB
  - FC = Freshman Composition
  - 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.

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**KEY**

<table>
<thead>
<tr>
<th>Prerequisite Course(s)</th>
<th>Corequisite Course(s)</th>
<th>Downward Dependencies</th>
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<tbody>
<tr>
<td><strong>Required:</strong> CH 100 or 101, AND PH 105 AND BC 112 AND BSC 114/115</td>
<td>*ENGR 111 or any engineering major intro course will meet requirements of CE 121.</td>
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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**

- **Fall**
  - 16 Hours
  - AEM 201/MATH 227
  - AEM 311 Fluid Mechanics (3)
  - AEM 320 (3)
  - CE 378
  - CH 101
  - CE 320 Intro to Environmental Engineering (3)
  - AEM 311
  - AEM 264
  - CE 378 Water Resources Engineering (3)
  - AEM 311
  - AEM 320
  - CE 425 Air Quality Engineering Spring Only (3)
  - COM 123/HU/L/FA (3)
  - MATH 126
  - ME 216/215 Thermal Engr Survey or Thermodynamics I (3)
  - HI/SB Elective (3)

- **Spring**
  - 15 Hours
  - CE 320/340 Geotechnical Engineering W (4)
  - CE 405
  - CE 378/GES 225
  - CE 422 Solid & Hazardous Waste Mgmt Fall Only (3)
  - CE 405
  - CE 424 Water & Wastewater Treatment Fall Only (3)
  - CE 405
  - CE 475/425 Hydrology Fall Only (3)
  - CE 405
  - CE 405
  - Senior Plan of Study Elective (3)

**SENIOR YEAR**

- **Fall**
  - 15 Hours
  - 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
  - CE 405
  - CE 405
  - CE 405
  - Senior Plan of Study Elective (3)

- **Spring**
  - 16 Hours
  - CE 405 Capstone Design Site: EnvE
  - CE 405
  - CE 405
  - CE 405
  - CE 405
  - CE 405
  - CE 405
  - CE 405
  - CE 405
  - CE 405

**Senior Plan of Study Electives**

See department guide for electives.

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[UA Academic Catalog](#)  [University Registrar](#)  [University Resources](#)  [College of Engineering](#)  [CCEE Department](#)  [CoE Students](#)