### Environmental Sciences, B.S. (120 Units)

**Valid for Catalog Years: 2018/2019 to Present**

*Official planning guide approved by the College of Science & Math*

### Freshman

<table>
<thead>
<tr>
<th>Units</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>16</td>
<td></td>
<td>14-15</td>
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</table>

#### Milestones

- **A2 (3 Units)**
  - Written Communication
  - *Must pass with a C or better*

- **A1 (3 Units)**
  - Oral Communication
  - *Must pass with a C or better*

- **A3 (3 Units)**
  - Critical Thinking
  - *Must pass with a C or better*

- **C2 (3-4 Units)**
  - Humanities

- **C1 (3-4 Units)**
  - Arts

- **C1/C2 (3-4Units)**
  - Arts or Humanities

- **IC (3-4 Units)**
  - Arts & Humanities

- **ID (3-4 Units)**
  - Social, Political, & Economic Institutions

### General Education

- **GE Area B1**
  - CHEM 1A (3 Units)
  - Physical Sciences
  - [Pre-Req: High school chemistry. May be taken concurrently: GE B4; CHEM 1AL]
  - *Not open to students with credit in CHEM 1B*

- **GE Area D3**
  - PLSI 71 (3 Units)
  - Social Science

- **GE Area B2**
  - BIOL 1A (4 Units)
  - Life Sciences

- **GE Area B3**
  - CHEM 1B (3 Units)
  - Lab
  - [Pre-Req: CHEM 1A & 1AL (both passed with a C or better); CHEM 1BL (may be taken concurrently)]

- **EES 4 (4 Units)**
  - [Pre-Req: GE B4]

### Major

- **BIOL 1B**
  - (3 Units)
  - [Pre-Req: BIOL 1A; first-time enrollees must take BIOL 1BL concurrently]

- **BIOL 101 (4 Units)**
  - [Pre-Req: BIOL 1A, 1B; PSYCH 42, MATH 101, or EES 178; MATH 70 or equivalent recommended]

- **EES 105 (3 Units)**
  - [Pre-Req: EES 1; EES 30 (may be taken concurrently)]

- **ECON 117 (3 Units)**
  - *Prerequisite waived for Environmental Sciences majors*

- **CHEM 8 (3 Units)**
  - [Pre-Req: CHEM 1B or 3A]

### Sophomore

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<th>Spring</th>
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<td>18</td>
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#### Milestones

- **EES 4 (4 Units)**
  - [Pre-Req: GE B4]

- **BIOL 1BL**
  - (1 Unit)
  - [Pre-Req: First-time enrollees must take BIOL 1B concurrently]

- **EES 108 (4 Units)**
  - [Pre-Req: BIOL 1A; CHEM 1B or CHEM 150; EES 1 or EES 4; PHYS 4B or PHYS 2B; MATH 75]

### Junior

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<tr>
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<td>17-22</td>
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#### Milestones

- **C1/C2 (3-4 Units)**
  - Arts or Humanities

### Senior

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<th>Spring</th>
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#### Milestones

- **IC (3-4 Units)**
  - Arts & Humanities

- **ID (3-4 Units)**
  - Social, Political, & Economic Institutions

For assistance or to schedule an advising appointment, please contact the

**CSM Advising and Resources Center**

at 559-278-4150, Science I 136

**Department of Earth & Environmental Sciences:**

559-278-3086, Science II 114

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<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<td>Fall</td>
<td>Spring</td>
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<td>Spring</td>
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**Major**

- GE Area B4
- MATH 75 (4 Units) [Quantitative Reasoning]
- *See course catalog for prerequisite requirements*
- MATH 1BL (2 Units) [Pre-Req: CHEM 1B (may be taken concurrently)]
- CHEM 1BL (2 Units) [Pre-Req: CHEM 1B (may be taken concurrently)]
- EES 12 (3 Units) [Pre-Req: EES 1; CHEM 1A (may be taken concurrently)]
- EES 30 (3 Units) [Pre-Req: EES 1, 2 (may be taken concurrently) OR instructor permission]
- EES 113, 117, or 124 (3 Units) [Pre-Req: CHEM 1B (may be taken concurrently) OR instructor permission]
- EES 199 (3 Units) [Pre-Req: EES 102, 104, 106; Senior standing]

- MATH 76, MATH 101, PSYCH 42, or EES 177 (3-4 Units)
  - (4 Units) [Pre-Req: MATH 4R or second-year high school algebra recommended]
  - *See course catalog for prerequisite requirements*
- PHYS 2A or PHYS 4A & 4AL (4 Units)
  - *See course catalog for prerequisite requirements*
- PHYS 2B or PHYS 4B & 4BL (4 Units)
  - *See course catalog for prerequisite requirements*
- EES 186 (3 Units) [Pre-Req: GEOG 107 recommended]

**Additional Graduation Requirements**

- UDWS (0-4 Units) [Upper Division Writing Exam OR "W" Course (must pass with a C or better)]
- MI (3 Units) [Multicultural/International]

**Footnotes:**

**Prerequisites/Corequisites:** Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

**Upper Division Writing Skills Requirement (UDWS):** All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."

*Students interested in physical aspects of Environmental Sciences should take MATH 76 or EES 177 in addition to PSYCH 42.

**Substitutions:** If substitutions/exceptions/waivers are made for any major courses that also meet GE and/or the Multicultural/International graduation requirement, the student is responsible for completing additional courses to satisfy the respective areas (GE and/or MI). This also includes the upperdivision writing requirement.