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

**Valid for Catalog Years: 2014/2015 to 2017/2018**  
*Official planning guide approved by the College of Science & Math*

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### 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 (3-4 Units) Arts or Humanities**
- **IC (3-4 Units) Arts & Humanities**
- **ID (3-4 Units) Social, Political, & Economic Institutions**
- **D2 (3 Units) American Government**
- **D1 (3 Units) American History**
- **MI (3 Units) Multicultural/International**
- **E1 (3 Units) Lifelong Understanding & Self Development**
- **IB (3 Units) Physical Universe & Its Life Forms**

### 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**  
  [Pre-Req: BIOL 1A; first-time enrollees must take BIOL 1BL concurrently]
- **BIOL 1B (3 Units)**  
  [Pre-Req: BIOL 1A; PSYCH 42, MATH 101, or EES 18; MATH 70 or equivalent recommended]
- **BIOL 101 (4 Units)**  
  [Pre-Req: BIOL 1A, 1B; PHYS 4B or PHYS 2B; MATH 75]
- **EES 105 (3 Units)**  
  [Pre-Req: EES 1; EES 105 (may be taken concurrently)]  
  *Prerequisite waived for Environmental Sciences majors*
- **ECON 117 (3 Units)**  
  [Pre-Req: CHEM 1B or 3A]
- **CHEM 8 (3 Units)**  
  [Pre-Req: CHEM 1B or 3A]

### Major

- **GE Area B3**  
  **CHEM 1B (3 Units)**  
  [Pre-Req: CHEM 1A & 1AL (both passed with a C or better); CHEM 1BL (may be taken concurrently)]
- **CHEM 1AL (2 Units)**  
  [Pre-Req: CHEM 1A (may be taken concurrently)]
- **CHEM 1B (3 Units)**  
  [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]
- **BIOL 1BL (1 Unit)**  
  [Pre-Req: First-time enrollees must take BIOL 1B concurrently]
- **BIOL 108 (4 Units)**  
  [Pre-Req: BIOL 1A; CHEM 1B or CHEM 150; EES 1 or EES 4; PHYS 4B or PHYS 2B; MATH 75]
- **EES 109 (3 Units)**  
  [Pre-Req: BIOL 1A; CHEM 1B or CHEM 150; EES 1 or EES 4; PHYS 4B or 2B; MATH 75]  
  *See course catalog for prerequisite requirements*
- **EES 102, 110, 113, 114, 117, or 124 (3 Units)**  
  *See course catalog for prerequisite requirements*
- **EES 102, 110, 113, 114, 117, or 124 (3 Units)**  
  *See course catalog for prerequisite requirements*

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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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### Major
- **GE Area B4**
- **MATH 75 (4 Units)**
  - Quantitative Reasoning
  - *See course catalog for prerequisite requirements
- **CHEM 1BL (2 Units)**
  - [Pre-Req: CHEM 1B (may be taken concurrently)]
- **MATH 76, MATH 101, PSYCH 42, or EES 177 (3-4 Units)**
  - [Pre-Req: MATH 4R or second-year high school algebra recommended]
  - *See course catalog for prerequisite requirements
- **EES 1 (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 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)**
  - *See course catalog for prerequisite requirements
- **EES 186 (3 Units)**
  - [Pre-Req: GEOG 107 recommended]

### Electives
- **UDWS (0-4 Units)**
  - *Upper Division Writing Exam OR "W" Course (must pass with a C or better)

### 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.