

**Environmental Sciences, B.S. (120 Units)**  
Valid for Catalog Years: 2018/2019 to 2020/2021  
\*Official planning guide approved by the College of Science & Math

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

	Freshman		Sophomore		Junior		Senior	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
<b>Units</b>	<b>16</b>	<b>14-15</b>	<b>18</b>	<b>14-15</b>	<b>17-22</b>	<b>15-16</b>	<b>15-16</b>	<b>15-16</b>
<b>Milestones</b>			<b>EES 4 (4 Units)</b> [Pre-Req: GE B4]					
<b>General Education</b>	<b>A2 (3 Units)</b> Written Communication *Must pass with a C or better	<b>A1 (3 Units)</b> Oral Communication *Must pass with a C or better	<b>A3 (3 Units)</b> Critical Thinking *Must pass with a C or better	<b>C2 (3-4 Units)</b> Humanities	<b>C1 (3-4 Units)</b> Arts	<b>C1/C2 (3-4 Units)</b> Arts or Humanities	<b>IC (3-4 Units)</b> Arts & Humanities	<b>ID (3-4 Units)</b> Social, Political, & Economic Institutions
					<b>D2 (3 Units)</b> American Government	<b>D1 (3 Units)</b> American History		
					<b>E1 (3 Units)</b> Lifelong Understanding & Self Development	<b>IB (3 Units)</b> Physical Universe & Its Life Forms		
<b>Major</b>	<b>GE Area B1</b> <b>CHEM 1A (3 Units)</b> Physical Sciences [Pre-Req: High school chemistry. May be taken concurrently: GE B4; CHEM 1AL] *Not open to students with credit in CHEM 1B	<b>GE Area D3</b> <b>PLSI 71 (3 Units)</b> Social Science	<b>GE Area B2</b> <b>BIOL 1A (4 Units)</b> Life Sciences	<b>BIOL 1B (3 Units)</b> [Pre-Req: BIOL 1A; first-time enrollees must take BIOL 1BL concurrently]	<b>BIOL 101 (4 Units)</b> [Pre-Req: BIOL 1A, 1B; PSYCH 42, MATH 101, or EES 178; MATH 70 or equivalent recommended]	<b>EES 105 (3 Units)</b> [Pre-Req: EES 1; EES 30 (may be taken concurrently)]	<b>ECON 117 (3 Units)</b> *Prerequisite waived for Environmental Sciences majors	<b>CHEM 8 (3 Units)</b> [Pre-Req: CHEM 1B or 3A]
	<b>GE Area B3</b> <b>CHEM 1AL (2 Units)</b> Lab [Pre-Req: CHEM 1A (may be taken concurrently)]	<b>CHEM 1B (3 Units)</b> [Pre-Req: CHEM 1A & 1AL (both passed with a C or better); CHEM 1BL (may be taken concurrently)]	<b>EES 4 (4 Units)</b> [Pre-Req: GE B4]	<b>BIOL 1BL (1 Unit)</b> [Pre-Req: First-time enrollees must take BIOL 1B concurrently]	<b>EES 108 (4 Units)</b> [Pre-Req: BIOL 1A; CHEM 1B or CHEM 150; EES 1 or EES 4; PHYS 4B or PHYS 2B; MATH 75]	<b>EES 109 (3 Units)</b> [Pre-Req: BIOL 1A; CHEM 1B or 150; EES 1 or 4; PHYS 4B or 2B; MATH 75]	<b>EES 102, 110, 113, 114, 117, or 124 (3 Units)</b> *See course catalog for prerequisite requirements	<b>EES 102, 110, 113, 114, 117, or 124 (3 Units)</b> *See course catalog for prerequisite requirements

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<b>Major</b>	<b>GE Area B4 MATH 75 (4 Units)</b> Quantitative Reasoning *See course catalog for prerequisite requirements	<b>CHEM 1BL (2 Units)</b> [Pre-Req: CHEM 1B (may be taken concurrently)]	<b>EES 12 (3 Units)</b> [Pre-Req: EES 1; CHEM 1A (may be taken concurrently)]	<b>EES 30 (3 Units)</b> [Pre-Req: EES 1, 2 (may be taken concurrently) OR instructor permission]			<b>EES 113, 117, or 124 (3 Units)</b> *See course catalog for prerequisite requirements	<b>EES 199 (3 Units)</b> [Pre-Req: EES 102, 104, 106; Senior standing]
	<b>EES 1 (4 Units)</b> [Pre-Req: MATH 4R or second-year high school algebra recommended]	<b>MATH 76, MATH 101, PSYCH 42, or EES 177 (3-4 Units)</b> *See course catalog for prerequisite requirements	<b>PHYS 2A or PHYS 4A &amp; 4AL (4 Units)</b> *See course catalog for prerequisite requirements	<b>PHYS 2B or PHYS 4B &amp; 4BL (4 Units)</b> *See course catalog for prerequisite requirements			<b>EES 186 (3 Units)</b> [Pre-Req: GEOG 107 recommended]	
<b>Additional Graduation Requirements</b>					<b>UDWS (0-4 Units)</b> *Upper Division Writing Exam OR "W" Course (must pass with a C or better)			<b>MI (3 Units)</b> 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.

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<b>General Education</b>	<b>A2 (3 Units)</b> Written Communication *Must pass with a C or better	<b>A1 (3 Units)</b> Oral Communication *Must pass with a C or better	<b>A3 (3 Units)</b> Critical Thinking *Must pass with a C or better	<b>C2 (3-4 Units)</b> Humanities	<b>C1 (3-4 Units)</b> Arts	<b>C1/C2 (3-4 Units)</b> Arts or Humanities	<b>IC (3-4 Units)</b> Arts & Humanities	<b>ID (3-4 Units)</b> Social, Political, & Economic Institutions
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Electives					<b>UDWS (0-4 Units)</b> *Upper Division Writing Exam OR "W" Course (must pass with a C or better)			

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