

# Bachelor of Science in APPLIED ENVIRONMENTAL GEOSCIENCES

## Graduation MAP

This is a suggested plan. Meet with an academic advisor to create a specific plan that best fits your academic needs. Remember, taking an average of 15 credit hours per semester facilitates timely graduation.



**WEBER STATE**  
UNIVERSITY

Catalog Year: 2020-2021 [MATH 1010/ENGL 1010 Placement]

NAME: \_\_\_\_\_

<input checked="" type="checkbox"/>	Course	Credit Hour	Semester Offered	Milestones & Notes
Freshman (Semester 1)				
	GEO 1110 PS Dynamic Earth: Physical Geology	3	Fall/Spring/Summer	<ul style="list-style-type: none"> <li>Complete QL, EN, and Information Literacy Gen Ed requirements within first 2 semesters. These skills will be needed in upper-division courses.</li> </ul>
	GEO 1115 Physical Geology Lab	1	Fall/Spring	
	ENGL 1010 Introductory College Writing	3	Fall/Spring/Summer	
	MATH 1010 Intermediate Algebra	4	Fall/Spring/Summer	
	GE American Institutions (AI) elective	3	Fall/Spring/Summer	
	LIBS 1504 Information Literacy Competency Exam <b>-or-</b> LIBS 1704 Information Navigator	1	Fall/Spring/Summer	
	<b>Total Semester Credits</b>	<b>15</b>		
Freshman (Semester 2)				
	GEO 1220 Historical Geology	4	Fall/Spring	<ul style="list-style-type: none"> <li>CHEM 1200 is required for students who did not take AP or Honors chemistry in high school.</li> </ul>
	MATH 1050 QL College Algebra	4	Fall/Spring/Summer	
	CHEM 1200 Preparation for College Chemistry	3	Fall/Spring/Summer	
	ENGL 2010 EN Intermediate College Writing	3	Fall/Spring/Summer	
	<b>Total Semester Credits</b>	<b>14</b>		
Sophomore (Semester 3)				
	GEO 1060 PS Environmental Geoscience	3	Fall/Spring/Summer	<ul style="list-style-type: none"> <li>Students should begin the required chemistry sequence (CHEM 1200/1210/1220) as early in their program of study as possible.</li> </ul>
	GEO 2050 Earth Materials	4	Fall/Spring	
	MATH 1060 Trigonometry	3	Fall/Spring/Summer	
	CHEM 1210 PS Principles of Chemistry I	5	Fall/Spring/Summer	
	<b>Total Semester Credits</b>	<b>15</b>		
Sophomore (Semester 4)				
	GEO 3000 Geoscience Methods & Careers <b>-or-</b> GE Creative Arts (CA) elective	3	Spring Fall/Spring/Summer	<ul style="list-style-type: none"> <li>Students should have completed the required chemistry sequence (CHEM 1200/1210/1220) before beginning their 3<sup>rd</sup>/junior year.</li> </ul>
	CHEM 1220 Principles of Chemistry II	5	Fall/Spring/Summer	
	GE Life Science (LS) elective	3	Fall/Spring/Summer	
	GE Humanities (HU) elective	3	Fall/Spring/Summer	
	GE Social Science (SS) elective	3		
	<b>Total Semester Credits</b>	<b>17</b>		
Junior (Semester 5)				
	GEO 3080 Applied Hydrology	4	Fall	<ul style="list-style-type: none"> <li>Students should begin the required physics sequence (PHYS 2010/2020) as early in their program of study as possible.</li> <li>PHYS 2210/2220 may be substituted for PHYS 2010/2020 provided math prereqs are met.</li> </ul>
	GEO 3150 Geomorphology	4	Fall	
	PHYS 2010 PS College Physics I	5	Fall/Spring	
	GE Social Science (SS) elective	3	Fall/Spring/Summer	
	<b>Total Semester Credits</b>	<b>16</b>		

<input checked="" type="checkbox"/>	Course	Credit Hours	Semester Offered	Milestones & Notes
Junior (Semester 6)				
	GEO 3710 Introduction to GIS	4	Fall/Spring	<ul style="list-style-type: none"> <li>Consult your departmental advisor or the catalog for the list of approved geoscience electives for the Applied Environmental Geosciences BS degree.</li> </ul>
	GEO Elective	3	Spring	
	PHYS 2020 College Physics II	5	Fall/Spring	
	GE Creative Arts (CA) elective <b>-or-</b> GEO 3000 Geoscience Methods & Careers	3	Fall/Spring/ Summer Spring	
	<b>Total Semester Credits</b>	<b>15</b>		
Senior (Semester 7)				
	GEO 3753 Geomicrobiology	3	Fall	<ul style="list-style-type: none"> <li>Students should have completed the required physics sequence (PHYS 2010/2020) before beginning their 4<sup>th</sup>/senior year.</li> <li>Free elective credits can be used to complete a minor. See notes below.</li> </ul>
	GEO 4060 Geoscience Field Methods	4	Fall	
	GEO Elective	3-4	Fall	
	Free elective	3		
	<b>Total Semester Credits</b>	<b>13-14</b>		
Senior (Semester 8)				
	GEO 4990 Geoscience & Society Seminar	2	Spring	
	GEO Elective	3-4	Spring	
	GEO Elective	3-4	Spring	
	GE Humanities or Creative Arts (HU/CA) Elective	3	Fall/Spring/Summer	
	Free elective	1-4		
	<b>Total Semester Credits</b>	<b>12-17</b>		
	<b>Total Bachelor Credits</b>	<b>117-123*</b>		

#### Gen Ed Breadth Requirements (do not duplicate departments)

<input type="checkbox"/> HU	<input type="checkbox"/> CA	<input type="checkbox"/> HU or CA
<input type="checkbox"/> SS	<input type="checkbox"/> SS	
<input type="checkbox"/> PS CHEM 1210	<input type="checkbox"/> LS	<input type="checkbox"/> PS or LS PHYS 2010
<input type="checkbox"/> DV ( <b>Double dip with Breadth course</b> )		

**Avoid misadvisement!** Consult your academic advisor (weber.edu/advisors), the WSU Catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).

**Revision Date: 5/13/2020**

**Notes:** The Applied Environmental Geosciences BS degree does NOT require a minor. However, a minor in Math, Chemistry, Physics, Spanish, or Technical & Professional Writing could be favorably looked upon by potential graduate programs and/or employers.

Taking courses during the summer terms can lighten the course load for Fall and Spring semesters and/or permit a student to complete a minor.

**\*A minimum of 120 credit hours are required for a bachelor's degree.**