



# Environmental Geology & Geohydrology, BS

## FALL

## SPRING

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
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### FRESHMAN YEAR

	<b>USP: First Year Seminar</b> <i>or USP ELECTIVE</i>	FYS	3	C	
<b>CHEM 1020</b>	<b>General Chemistry I</b> <i>Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450</i>	PN	4	C	
<b>GEOL 1100</b>	<b>Physical Geology</b> <i>or GEOL 1005, 1200, 1320 or 1330</i>		4	C	
	<b>USP: Communications I</b>	C1	3	C	
<b>Total</b>			<b>14</b>		

<b>CHEM 1030</b>	<b>Gen Chem II</b> <i>Prerequisite: C in CHEM 1020</i>	PN	4	C	
<b>MATH 2200</b>	<b>Calculus I</b> <i>Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>	Q	4	C	
	<b>USP: US &amp; Wyo Const.</b>	V	3	D	
	<b>USP: Human Culture</b>	H	3	D	
<b>Total</b>			<b>14</b>		

### SOPHOMORE YEAR

<b>GEOL 2000</b>	<b>Geochem Cycles/Earth Systems</b> <i>C in GEOL 1100 and concurrent in CHEM 1020</i>		4	C	
<b>GEOL 2010</b>	<b>Mineralogy</b> <i>C in GEOL 1100 and concurrent in CHEM 1020</i>		4	C	
<b>GEOL 2080</b>	<b>General Field Geology</b> <i>C in GEOL 1100 and one other GEOL course</i>		3	C	
	<b>USP: Communications II</b> <i>Prerequisite: C in C1</i>	C2	3	C	
<b>Total</b>			<b>14</b>		

<b>GEOL 2100</b>	<b>Stratigraphy and Sedimentation</b> <i>C in GEOL 2010</i>		4	C	
<b>MATH 2205</b>	<b>Calculus II</b> <i>Prerequisite: C in MATH 2200</i>		4	C	
	<b>USP: Human Culture</b>	H	3	D	
<b>GIST 2310</b>	<b>Intro to GIS</b>		4	C	
<b>Total</b>			<b>15</b>		

### JUNIOR YEAR

<b>One of:</b>	<b>PHYS 1110 OR PHYS 1210</b> <i>C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>		4	C	
<b>GEOL</b>	<b>Upper Div. Geology Elec</b>		4	C	
	<b>General Elective</b>		4	D	
<b>GEOL 4140</b>	<b>Diversity Inclusion Geoscience</b> <i>Prerequisite: C in C1</i>		1	C	
	<b>General Elective</b>		2	C	
<b>Total</b>			<b>15</b>		

<b>GEOL 4490</b>	<b>Geochemistry</b> <i>Prerequisites: GEOL 2010, CHEM 1020, MATH 2200, MATH 2205</i>		4	C	
<b>One of:</b>	<b>Allied Math/Science</b> <i>LIFE 1010, STAT 2050, MATH 2210, PHYS 1120 OR PHYS 1220</i>		4	C	
<b>GEOL</b>	<b>Upper Div. Geology Elec</b>		4	C	
<b>GEOL</b>	<b>Upper Div Geology Elec</b>		4	C	
<b>Total</b>			<b>16</b>		

### SENIOR YEAR

<b>GEOL 4880</b>	<b>Earth Surface Processes</b> <i>MATH 2205, PHYS 1210 (MATH 2210 preferred)</i>		3	C	
<b>GEOL 4444</b>	<b>Geohydrology</b> <i>Prerequisite: MATH 2205</i>		4	C	
<b>GEOL 4777</b>	<b>Geochemistry of Natural Waters</b> <i>Prerequisites: CHEM 1030</i>		3	C	
<b>GEOL</b>	<b>Upper Div. Geology Elec</b>		3	C	
	<b>General Elective</b>		3	D	
<b>Total</b>			<b>16</b>		

<b>GEOL 4820</b>	<b>Capstone</b> <i>Junior standing and 26 hours in the department</i>	C3	3	C	
<b>GEOL</b>	<b>Upper Div Geology Elec</b>		3	C	
	<b>General Elective</b>		3	D	
	<b>Upper Division Elec</b>		3	D	
	<b>Upper Division Elec</b>		4	D	
<b>Total</b>			<b>16</b>		

**Total Program Credits: 120**

#### Fall only or spring only course

- A minimum of 120 hours is required. • A minimum of 42 hours must be upper division.
- 18 hours of GEOL Electives are required and must be taken at the 2000 level and above.
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0.
- Grades of C (S where appropriate) or better are required for all courses used to satisfy program requirements. This applies to course work taken outside the department, as well as to transfer courses.
- One 3-credit course with an ASD-Diversity of ASG-Global Awareness Attribute may be taken in place of GEOL 4140 (1cr) and General Elective (2 cr).