



# Geology, 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 1030</b>	<b>General Chem II</b>	PN	4	C	
						<i>Prerequisite: C in CHEM 1020</i>					
<b>CHEM 1020</b>	<b>General Chemistry I</b>	PN	4	C			<b>MATH 2200 (Calc I) or GEOL 2120 (Quan Meth in Geo)</b>	Q	4	C	
	<i>Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450</i>					<i>Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>					
<b>GEOL 1100</b>	<b>Physical Geology</b> <i>or GEOL 1005, 1200 or 1500</i>		4	C			<b>USP: US &amp; Wyo Const.</b>	V	3	D	
	<b>USP: Communications I</b>	C1	3	C			<b>USP: Human Culture</b>	H	3	D	
<b>Total</b>			<b>14</b>			<b>Total</b>			<b>14</b>		

### SOPHOMORE YEAR

<b>GEOL 2000</b>	<b>Geochem Cycles/Earth</b> <i>C in GEOL 1100 and concurrent</i>		4	C		<b>GEOL 2100</b>	<b>Stratigraphy and Sedimentation</b> <i>C in GEOL 2010</i>		4	C	
<b>GEOL 2010</b>	<b>Mineralogy</b> <i>C in GEOL 1100 and concurrent</i>		4	C		<b>GEOL 2020</b>	<b>Intro to Petrology</b> <i>C in GEOL 2010</i>		4	C	
<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>USP: Human Culture</b>	H	3	D	
	<b>USP: Communications II</b> <i>Prerequisite: C in C1</i>	C2	3	C		<b>GIST2310</b>	<b>Intro to GIS</b>		4	C	
<b>Total</b>			<b>15</b>			<b>Total</b>			<b>15</b>		

### JUNIOR YEAR

<b>GEOL 3005</b>	<b>Principles of Geophysics</b> <i>GEOL 1100 or 1005 or 1500, PHYS 1110 or 1210.</i>		4	C		<b>GEOL</b>	<b>Upper Div Geology Elec</b>		4	C	
<b>GEOL 4610</b>	<b>Structural Geology &amp; Tectonics</b> <i>GEOL 2010</i>		4	C			<b>Upper Div Elec</b>		3	D	
<b>GEOL</b>	<b>Geology Elective</b>		3	C			<b>General Elective</b>		3	D	
<b>One of:</b>	<b>Global (ASG) or Diversity (ASD) or GEOL 4140 Div &amp; Inclusion in the Geosciences- only 1 credit</b>		3	C		<b>One of:</b>	<b>MATH 2200 or MATH 2205 or MATH 2250 or GEOL 4525</b>		4	C	
<b>Total</b>			<b>14</b>			<b>Total</b>			<b>14</b>		

### SUMMER before or after Senior year

<b>GEOL 4717</b>	<b>Field Course in Geology</b> <i>Prerequisite: GEOL 2100 and GEOL 4610</i>		6	C	
<b>Total</b>			<b>6</b>		

### SENIOR YEAR

<b>GEOL</b>	<b>Upper Div Geology Elec</b>		4	C		<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>		4	C		<b>GEOL</b>	<b>Upper Division Geology Elective</b>		4	C	
	<b>Upper Division Elective</b>		3	D		<b>GEOL</b>	<b>Upper Division Geology Elective</b>		3	C	
	<b>General Elective</b>		3	D			<b>General Elective</b>		4	D	
<b>Total</b>			<b>14</b>			<b>Total</b>			<b>14</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.
- 22 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.
- Fundamental math track: MATH 2200, GEOL 2120. Advanced math track: MATH 2200, and MATH 2205 or MATH 2250 or GEOL 4525
- A minimum grade of C (S where appropriate) is required for all required courses programs. This applies to course work taken outside the department, as well as to transfer courses.