



# 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	
CHEM 1020	<b>General Chemistry I</b> <i>Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450</i>	PN	4	C	
GEOL 1100	<b>Physical Geology</b> <i>or GEOL 1005, 1200 or 1500</i>		4	C	
	<b>USP: Communications I</b>	C1	3	C	
<b>Total</b>			14		

GEOL 2000	<b>Geochem Cycles/Earth Systems</b> <i>C in GEOL 1100 and concurrent in CHEM 1020</i>		4	C	
GEOL 2010	<b>Mineralogy</b> <i>C in GEOL 1100 and concurrent in CHEM 1020</i>		3	C	
MATH 2200	<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: Human Culture</b>	H	3	D	
<b>Total</b>			14		

### SOPHOMORE YEAR

CHEM 1030	<b>Gen Chem II</b> <i>Prerequisite: C in CHEM 1020</i>	PN	4	C	
One of:	<b>GEOL 2120 or MATH 2205 or MATH 2250 or GEOL 4525</b>		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>Total</b>			14		

GEOL 2100	<b>Stratigraphy and Sedimentation</b> <i>C in GEOL 2010</i>		4	C	
GEOL 2020	<b>Intro to Petrology</b> <i>C in GEOL 2010</i>		2	C	
One of:	<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: US &amp; Wyo Const.</b>	V	3	D	
<b>Total</b>			13		

### JUNIOR YEAR

GEOL 3005	<b>Principles of Geophysics</b> <i>GEOL 1100 or 1005 or 1500, PHYS 1110 or 1210.</i>		4	C	
GEOL 4610	<b>Structural Geology &amp; Tectonics</b> <i>GEOL 2010</i>		4	C	
GEOL	<b>Geology Elective</b>		3	C	
	<b>General Elective</b>		4	D	
<b>Total</b>			15		

GEOL	<b>Upper Div Geology Elec</b>		4	C	
GEOL	<b>Upper Div Geology Elec</b>		4	C	
	<b>General Elective</b>		3	D	
	<b>General Elective</b>		4	D	
<b>Total</b>			15		

### SUMMER before or after Senior year

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

### SENIOR YEAR

GEOL	<b>Upper Div Geology Elec</b>		4	C	
GEOL	<b>Upper Div Geology Elec</b>		3	C	
	<b>Upper Division Elective</b>		4	D	
	<b>General Elective</b>		3	D	
<b>Total</b>			14		

GEOL 4820	<b>Capstone</b> <i>Junior standing and 26 hours in the department</i>	C3	3	C	
	<b>Upper Division Elective</b>		3	D	
	<b>Upper Division Elective</b>		3	D	
	<b>General Elective</b>		3	D	
	<b>General Elective</b>		3	D	
<b>Total</b>			15		

**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.
- Fundamental math track: MATH 2200 and GEOL 2120. Advanced math track: MATH 2200, and MATH 2205 or MATH 2250 or GEOL 4525
- 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.