



College of Engineering
and Physical Sciences

Geology, BS

FALL

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

SPRING

Course Number	Course Title	USP	CR	Min Grade	Grade
CHEM 1030	General Chem II	PN	4	C	
<i>Prerequisite: C in CHEM 1020</i>					
MATH 2200	Calculus I or or GEOL 2120 Quantitative GeoMethods	Q	4	C	
<i>Prerequisite: C in Math 1405/1450, MPE 5, Math ACT 27 or 23, Math SAT 640 or 600</i>					
	USP: US & Wyo Const.	V	3	D	
	USP: Human Culture	H	3	D	
Total			14		

SOPHOMORE YEAR

GEOL 2000	Geochem Cycles/Earth		4	C	
<i>C in GEOL 1100 and concurrent in CHEM 1020</i>					
GEOL 2010	Mineralogy		4	C	
<i>C in GEOL 1100 and concurrent in CHEM 1020</i>					
One of:	PHYS 1110 OR PHYS 1210		4	C	
<i>C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>					
	USP: Communications II	C2	3	C	
<i>Prerequisite: C in C1</i>					
Total			15		

GEOL 2100	Stratigraphy and Sedimentation		4	C	
<i>C in GEOL 2010</i>					
GEOL 2020	Intro to Petrology		4	C	
<i>C in GEOL 2010</i>					
	USP: Human Culture	H	3	D	
GIST2310	Intro to GIS		4	C	
Total			15		

JUNIOR YEAR

GEOL 3005	Principles of Geophysics		4	C	
<i>GEOL 1100 or 1005 or 1500, PHYS 1110 or 1210.</i>					
GEOL 4610	Structural Geology & Tectonics		4	C	
<i>GEOL 2010</i>					
GEOL	Geology Elective		3	C	
GEOL 4140	Diversity Inclusion Geoscience		1	C	
<i>Prerequisite: C in C1</i>					
	General Elective		2	C	
Total			14		

GEOL	Upper Div Geology Elec		4	C	
	Upper Div Elec		3	D	
	General Elective		3	D	
2nd MATH	MATH 2200 or MATH 2205 or MATH 2250 or GEOL 4525		4	C	
Total			14		

SUMMER before or after Senior year

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

SENIOR YEAR

GEOL	Upper Div Geology Elec		4	C	
GEOL	Upper Div Geology Elec		4	C	
	Upper Division Elective		3	D	
	General Elective		3	D	
Total			14		

GEOL 4820	Capstone	C3	3	C	
<i>Junior standing and 26 hours in the department</i>					
GEOL	Upper Division Geology Elective		4	C	
GEOL	Upper Division Geology Elective		3	C	
	General Elective		4	D	
Total			14		

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.