

Geology, BS



University of Wyoming, 2019-20

Freshman Fall Semester				Hrs	Min Grade	Notes
		USP First-Year Seminar	3	C	FY	
		USP Communication 1	3	C	C1	
CHEM	1020	General Chemistry I *	4	C	PN; can substitute CHEM 1050 (Advanced General Chem I)**.	
		Geology Core Course ***	4	C		
Credit hours subtotal:			14			

Freshman Spring Semester				Hrs	Min Grade	Notes
		USP Human Culture	3		H	
		USP US & Wyoming Constitutions	3		V	
CHEM	1030	General Chemistry II	4	C	Can substitute CHEM 1060 (Advanced General Chem II).	
PHYS	1110	General Physics I	4	C	PN; can substitute PHYS 1210 (Engineering Physics I).	
Credit hours subtotal:			14			

Sophomore Fall Semester				Hrs	Min Grade	Notes
		USP Human Culture	3	C	H	
GEOL	2000	Geochemical Cycles and the Earth System	4	C		
GEOL	2010	Mineralogy	3	C		
MATH	2200	Calculus I ****	4	C	Q	
Credit hours subtotal:			14			

Sophomore Spring Semester				Hrs	Min Grade	Notes
		USP Communication 2	3	C	C2	
GEOL	2020	Introduction to Petrology	2	C		
GEOL	2100	Stratigraphy and Sedimentation	4	C		
MATH	2205	Calculus II	4	C	Can substitute MATH 2250 (Elementary Linear Algebra) or GEOL 4525 (Environmental Data Analysis).	
Credit hours subtotal:			13			

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the *University Catalog* and consult with their academic advisor to plan accordingly.

University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major

College of Arts and Sciences requirements:

Students must take two "core" courses in addition to the USP requirements: Diversity in the United States (ASD) and Global Awareness (ASG). • No more than 60 hours in the major subject may be used toward the 120 credit hours required for graduation. • At least 30 hours in the major subject must be completed with a grade of C or better (the major may require more).

Geology Program Notes:

This plan assumes students are calculus ready. Academic plans and course schedules will need to be altered if Math Placement scores require remediation prior to enrolling in MATH 2200. • A grade of C or better is required in all geology and allied courses. • A summer geology field course in one of the last two semesters is required. • This degree program prepares students for the examination for the professional geologist license.

* Requires MATH ACT \geq 23, MATH SAT \geq 600, Math Placement Exam \geq 3, or concurrent enrollment in MATH 1400, 1405, or 1450. (University standard)

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Junior Fall Semester				Hrs	Min Grade	Notes
A&S Core Global				3		ASG; GEOL 3650 (Energy for Society) is recommended.
GEOL	2005	Introduction to Geophysics		4	C	Can substitute GEOL 3005 (Principles of Geophysics).
GEOL	4610	Structural Geology and Tectonics		4	C	
Geology Elective *****				3	C	
Credit hours subtotal:				14		

Junior Spring Semester				Hrs	Min Grade	Notes
A&S Core Diversity in the US				3		ASD
Geology Electives *****				6	C	
Upper Division Electives				6		
Credit hours subtotal:				15		

Summer Semester				Hrs	Min Grade	Notes
GEOL	4717	Field Course in Geology		6	C	
Credit hours subtotal:				6		

Senior Fall Semester				Hrs	Min Grade	Notes
Geology Electives *****				9	C	
Electives				6		
Credit hours subtotal:				15		

Senior Spring Semester				Hrs	Min Grade	Notes
GEOL	4820	Capstone		3	C	C3
Upper Division Electives				12		
Credit hours subtotal:				15		

TOTAL CREDIT HOURS: 120

Geology Program Notes con't:

** Requires MATH ACT ≥ 27 , MATH SAT ≥ 600 , one year of high school chemistry, and concurrent enrollment in MATH 2200. (University standard)

*** **Geology Core Courses.** Choose from one of the following core courses:

- GEOL 1005 Earth History
- GEOL 1100 Physical Geology
- GEOL 1500 Water, Dirt, and Earth's Environment

**** Requires MATH ACT ≥ 27 , MATH SAT ≥ 600 , Math Placement Exam ≥ 5 , or $\geq C$ in MATH 1405 or 1450.

***** 18 credit hours of geology electives are required and these courses must be taken at the 2000-level or above.