



## B.A. Geology & Earth Science 2019-2020 Catalog

B.A. Geology & Earth Science	cr	Grade	Notes
USP - University Studies Program Requirements			
<b>USP: First Year Seminar</b>	3		FYS
<b>USP: Communications I</b>	3		C1
<b>USP: Communications II</b>	3		C2
<b>USP: Communications III</b> (GEOL 4820 built into major)			C3
<b>USP: US &amp; Wyoming Constitutions</b>	3		V
<b>USP: Human Culture</b>	3		H
<b>USP: Quantitative</b> (MATH 1405 built into major)			Q
<b>USP: Physical &amp; Natural World</b> (CHEM 1020, LIFE 1010 built into major)			PN
<b>Credit hours subtotal:</b>			18
Geology & Earth Science Program - Required Courses			
GEOL 1000-level intro lab course(s)	3-4		
GEOL 2000 Geochemical Cycles and the Earth System	4		
GEOL 2010 Mineralogy	3		
GEOL 2020 Introduction to Petrology	2		
GEOL 2080 General Field Geology	3		
GEOL 2100 Stratigraphy and Sedimentation	4		
GEOL 4820 Capstone	3		C3
LIFE 1010 General Biology	4		
CHEM 1020 General Chemistry I	4		PN
PHYS 1110 General Physics I	4		(Can substitute PHYS 1210)
MATH 1405 Trigonometry	4		Q
<b>Credit hours subtotal:</b>			38-39
Major Related Courses (6 courses)			
ATSC 2000 Meteorology	3-4		
ECON 2400 Economics of the Environment	3		
ECON 4400 Environmental Economics	3		
GEOG 3010 Geomorphology of Earth's Dynamic Landscapes	3		
GEOL 2005 Principles of Geophysics	4		
GEOL 2050 Principles of Paleontology	3		
GEOL 2070 Introduction to Oceanography	4		

GEOL 3400 Geologic Hazards: A Historical and Scientific Review	4		
GEOL 3500 Global Change: A Geological Perspective	4		
GEOL 3600 Earth and Mineral Resources	4		
GEOL 3650 Energy for Society: Addressing the Energy Grand Challenge	4		
GEOL 4444 Geohydrology	4		
GEOL 4490 Geochemistry	4		
GEOL 4610 Structural Geology and Tectonics	4		
GEOL 4835 Applied/Exploration Geophysics	3		
POLS 4051 Environmental Politics	3		
SOIL 4120 Genesis, Morphology & Classification of Soils	4		
<b>Credit hours subtotal:</b>			18-24

Major Related Electives (12 hours)			
Electives	12		See Geology Elective note.
<b>Credit hours subtotal:</b>			12

Elective Courses			
Elective	22-28		Electives should work to fulfill upper division requirement.
A&S Core Diversity in the US	3		ASD
A&S Core Global Awareness	3		ASG
<b>Credit hours subtotal:</b>			30

<b>B.A. Geology &amp; Earth Science total credit total:</b>			120
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**B.A. Geology & Earth Science Program Notes:**

This program represents a minimum proficiency. Students are strongly advised to elect additional courses in geology. This degree program prepares students for the examination for the professional geologist license.

- A minimum of 120 hours is required. A minimum of 42 hours must be upper division (3000 & 4000 level).
- Math, Science & CM Electives must be selected with advisor's approval from Department list. General Electives cannot meet any other requirement for the major. Electives should be selected to satisfy the 42 hour upper division requirement.
- **Geology Elective:** An additional 12 hours of electives with advisor consultation, at least 6 hours of which must be taken outside of the Department of Geology and Geophysics.
- Degree Candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all courses required for the major. • Grades of C or better are required for all prerequisite courses.
- A summer geology field course in one of the last two semesters is required.
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.

**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 single 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 UW's 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 (individual majors may require more).

The University of Wyoming Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.

