



**B.S. Environmental Geology &
Geohydrology (EGGH)
2019-2020 Catalog**

B.S. Environmental Geology & Geohydrology (EGGH)	cr	Min Grade	Notes
USP - University Studies Program Requirements			
USP: First Year Seminar	3		FYS
USP: Communications I	3		C1
USP: Communications II	3		C2
USP: Communications III (GEOL 4820 built into major)			C3
USP: US & Wyoming Constitutions	3		V
USP: Human Culture	3		H
USP: Quantitative (MATH 2200 built into major)			Q
USP: Physical & Natural World (CHEM 1020/1030 built into major)			PN
Credit hours subtotal:			18
Geology Program - Required Courses			
Choose one: GEOL 1005 Earth History GEOL 1100 Physical Geology GEOL 1200 Historical Geology GEOL 1500 Water, Dirt, Climate	4		
GEOL 2000 Geochemical Cycles and the Earth System	4		
GEOL 2010 Mineralogy	3		
GEOL 2080 General Field Geology	3		
GEOL 2100 Stratigraphy and Sedimentation	4		
GEOL 4444 Geohydrology	4		
GEOL 4490 Geochemistry	4		
GEOL 4777 Geochemistry of Natural Waters	3		
GEOL 4880 Earth Surface Processes	3		
GEOL 4820 Capstone	3		C3
Credit hours subtotal:			35
Required Allied Math & Sciences			
CHEM 1020 General Chemistry I	4		
CHEM 1030 General Chemistry II	4		
MATH 2200 Calculus I	4		
MATH 2205 Calculus II	4		
PHYS 1110 General Physics I	4		

LIFE 1010 General Biology	4		
Credit hours subtotal:			24
Geology Electives (18 credits)			
GEOL 2005 Introduction to Geophysics	4		
GEOL 2020 Introduction to Petrology	2		
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 4113 Geological Remote Sensing	4		
GEOL 4525 Environmental Data Analysis	4		
GEOL 4610 Structural Geology and Tectonics	4		
GEOL 4888 Glaciology	3		
Credit hours subtotal:			18
Elective Courses			
Elective	19		Electives should work to fulfill upper division requirement.
A&S Core Diversity in the US	3		ASD
A&S Core Global Awareness	3		ASG
Credit hours subtotal:			25
B.S. Environmental Geology & Geohydrology (EGGH) total credit total:			120

B.S. Environmental Geology & Geohydrology (EGGH) Program Notes:

- A minimum of 120 hours is required. A minimum of 42 hours must be upper division (3000 & 4000 level).
- **Geology Electives:** Students are encouraged, in consultation with their adviser, to design a major that best fits their interests and goals. With this in mind, there are many courses outside the Department of Geology and Geophysics that may be substituted for courses in the Electives list above provided that such substitutions are made with the consent of an adviser. A list of such courses may be obtained by the Department. Students who seek the Geology B.S. may not also seek the EGGH as a double major and vice versa.
- 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.
- 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.
- 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.

