

“W” Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Environmental Geology and Geohydrology, B.S.

Environmental Geology and Geohydrology, B.S.

The Environmental Geology and Geohydrology (EGGH) degree is designed for those students who intend to become professionals in environmental fields such as consulting, site assessment, hazard assessment, and remediation. The degree will prepare students for graduate school in environmental disciplines and for entry-level jobs.

Required Courses

One of the Following:

Course Name	Credits:	Term Taken	Grade	Gen Ed
GEOL1005 - Earth History	Credits: 4			
GEOL1100 - Physical Geology	Credits: 4			
• GEOL 1200 - Historical Geology Credits: 4				
GEOL1500 - Water, Dirt, and Earth's Environment	Credits: 4			
GEOL1600 - Global Sustainability: Managing Earth's Resources	Credits: 4			

And Each of the Following:

Course Name	Credits:	Term Taken	Grade	Gen Ed
GEOL2000 - Geochemical Cycles and the Earth System	Credits: 4			
GEOL2010 - Mineralogy	Credits: 3			
GEOL2080 - General Field Geology	Credits: 3			
GEOL2100 - Stratigraphy and Sedimentation	Credits: 4			
GEOL4444 - Geohydrology	Credits: 4			
GEOL4490 - Geochemistry	Credits: 4			
GEOL4777 - Geochemistry of Natural Waters	Credits: 3			
GEOL4880 - Earth Surface Processes	Credits: 3			
GEOL4820 - Capstone	Credits: 3			

Required Allied Math and Science Courses

Course Name	Credits:	Term Taken	Grade	Gen Ed
CHEM1020 - General Chemistry I	Credits: 4			
CHEM1030 - General Chemistry II	Credits: 4			
PHYS1110 - General Physics I	Credits: 4			
OR				
PHYS1210 - Engineering Physics I	Credits: 4			
MATH2200 - Calculus I	Credits: 4			
MATH2205 - Calculus II	Credits: 4			

One of the Following:

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE1010 - General Biology	Credits: 4			
STAT2050 - Fundamentals of Statistics	Credits: 4			
MATH2210 - Calculus III	Credits: 4			
PHYS1120 - General Physics II	Credits: 4			
PHYS1220 - Engineering Physics II	Credits: 4			

Additional Electives

Additional 18 credit hours of Electives, in consultation with advisor

Course Name	Credits:	Term Taken	Grade	Gen Ed
• GEOL 2005 - Intro to Geophysics Credits: 4				
OR				
GEOL3005 - Principles of Geophysics	Credits: 4			

GEOL2020 - Introduction to Petrology	Credits: 2			
GEOL2070 - Introduction to Oceanography	Credits: 4			
GEOL4610 - Structural Geology and Tectonics	Credits: 4			
GEOL3400 - Geologic Hazards: A Historical and Scientific Review	Credits: 4			
GEOL3500 - Global Change: A Geological Perspective	Credits: 4			
GEOL3600 - Earth and Mineral Resources	Credits: 4			
GEOL3650 - Energy for Society: Addressing the Energy Grand Challenge	Credits: 4			
GEOL4001 - Modeling the Earth System	Credits: 4			
GEOL4113 - Geological Remote Sensing	Credits: 4			
GEOL4525 - Environmental Data Analysis	Credits: 4			
GEOL4888 - Glaciology	Credits: 3			

Note:

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 (B) list above provided that such substitutions are made with the consent of an adviser. A list of such courses may be obtained from the Department. Students who seek the Geology BS may not also seek EGGH as a double major, and vice versa.

Notes: