Environmental Geology & Geohydrology, BS

University of Wyoming, 2015-16

Freshman Fall Semester			Hrs	Min Grade	Notes
		USP First-Year Seminar	3	C	FY
		USP US & Wyoming Constitutions	4		V
CHEM	1020	General Chemistry I *	4	C	PN
MATH	2200	Calculus I **	4	C	Q
		Credit hours subtotal:	**15**		

Freshman Spring Semester			Hrs	Min Grade	Notes
		USP Communication 1	3	C	C1
CHEM	1030	General Chemistry II	4	C	PN
GEOL	1100	Physical Geology	4	C	Can substitute an alternate course; consult with advisor.
MATH	2205	Calculus II	4	C	
		Credit hours subtotal:	**15**		

Sophomore Fall Semester			Hrs	Min Grade	Notes
		USP Human Culture	3		H
GEOL	2000	Geochemical Cycles and the Earth System	4	C	
GEOL	2010	Mineralogy	3	C	
PHYS	1110	General Physics I	4	C	PN; can substitute PHYS 1210 (Engineering Physics I).
		Credit hours subtotal:	**14**		

Sophomore Spring Semester			Hrs	Min Grade	Notes
		USP Communication 2	3	C	C2
GEOL	2100	Stratigraphy and Sedimentation	4	C	
LIFE	1010	General Biology	4	C	Can substitute an alternate course; consult with advisor.
		List B Elective ***	4	C	
		Credit hours subtotal:	**15**		

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).

Environmental Geology & Geohydrology Program Notes:

Students are encouraged, in consultation with their advisor, to design a major that best fits their interests and goals. • Students seeking a BS in Environmental Geology & Geohydrology may not seek a double major in Geology, and vice versa.

* Requires MATH ACT ≥ 23, MATH SAT ≥ 600, Math Placement Exam ≥ 3, or ≥ C grade in MATH 0925. (University standard)

** Requires MATH ACT ≥ 27, MATH SAT ≥ 600, Math Placement Exam ≥ 5, or ≥ C in MATH 1405 or 1450. (University standard)

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Junior Fall Semester			Hrs	Min Grade	Notes
		A&S Core Diversity in US	3		ASD
GEOL	2080	General Field Geology	3	C	
		List B Electives ***	8	C	
		Elective	3		
		Credit hours subtotal:	**17**		

Junior Spring Semester			Hrs	Min Grade	Notes
		USP Human Culture	3		H
		A&S Core Global Awareness	3		ASG
		List B Electives ***	8	C	
		Credit hours subtotal:	**14**		

Senior Fall Semester			Hrs	Min Grade	Notes
GEOL	4444	Geohydrology	4	C	
GEOL	4777	Geochemistry of Natural Waters	3	C	
GEOL	4880	Earth Surface Processes	3	C	
		Upper Division Elective	3		
		Elective	3		
		Credit hours subtotal:	**16**		

Senior Spring Semester			Hrs	Min Grade	Notes
GEOL	4490	Geochemistry	4	C	
GEOL	4820	Capstone	3	C	C3
		Upper Division Electives	9		
		Credit hours subtotal:	**16**		

TOTAL CREDIT HOURS: 122

Environmental Geology and Geohydrology Program Notes con't:

*** **List B Electives.** Eighteen (18) hours are required, with 13 hours at the upper division (3000-level or above). There are courses outside of Geology and Geophysics that may be substituted for courses in this list; please consult with an academic advisor.

GEOL 2005 Introduction to Geophysics (4 hrs) OR
GEOL 3005 Principles of Geophysics (4 hrs)
GEOL 2020 Introduction to Petrology (2 hrs)
GEOL 2070 Introduction to Oceanography (4 hrs)
GEOL 3400 Geologic Hazards: A Historical and Scientific Review (4 hrs)
GEOL 3500 Global Change: A Geological Perspective (4 hrs)
GEOL 3600 Earth and Mineral Resources (4 hrs)
GEOL 3650 Energy for Society: Addressing the Energy Grand Challenge (4 hrs)
GEOL 4113 Geological Remote Sensing (4 hrs)
GEOL 4525 Environmental Data Analysis (4 hrs)
GEOL 4610 Structural Geology and Tectonics (4 hrs)
GEOL 4888 Glaciology (3 hrs)