

BS Environmental Geoscience Requirements

Class	Prerequisites	Credits
Take These Courses:		
GEOL 100 Exploring Geology		1
GEOL 111 Physical Geology		3
GEOL 111L Physical Geology Lab		1
GEOL 112 Historical Geology	GEOL 111 and GEOL 111L	4
GEOL 316 Writing in the Geosciences	GEOL 351 (Take GEOL 316 instead of FDENG 301)	3
GEOL 340 Intro to GIS and Spatial Analysis	GEOL 111 and GEOL 111L and (FDMAT 110 or FDMAT 112 or MATH 109)	3
GEOL 341 Introduction to Mobile GIS	GEOL 340	1
GEOL 351 Earth Materials	GEOL 111 and GEOL 111L; Completed or currently enrolled in GEOL 112 & CHEM 105	3
GEOL 351L Earth Materials Lab	Currently enrolled in GEOL 351	1
MAT 109 or FDMAT 112	MATH 101 or appropriate ACT, SAT, or ALEKS Math score (see catalog)	4
MAT 221B Biostatistics	FDMAT 108 or FDMAT 108T	3
BIO 208 General Botany		4
BIO 302 Ecology I	BIO 208	4
BIO 423 Nat. Resources Policy		3
CHEM 105 General Chemistry	Completed or currently enrolled: MATH 109, 112, or 119 or FDMAT 110 or 112	3
CHEM 105L General Chemistry Lab	FDMAT 109, 110 or 112; or Math 109, 113 or 119; or ALEKS score of 70 or higher	1
GEOL 498R Geology Internship	GEOL 352	1
IDS 499 or GEOL 490R Capstone or Reasearch	GEOL 352	2
Geology Electives: Choose 10 Credits		
GEOL 404 Environmental Geology	GEOL 111 and GEOL 111L and (FDMAT 110 or FDMAT 112 or MATH 109)	3
GEOL 435 Hydrology	GEOL 111 and GEOL 111L and (FDMAT 110 or FDMAT 112 or MATH 109)	3
GEOL 440R or GEOG 424* @U of ID	GEOL 340	3
CONST 350 Soils		3
Biology Electives: Choose 2 Courses		
BIO 362 Stream Ecology <i>Recommended</i>	BIO 208	3
BIO 392 Restoration Ecology <i>Recommended</i>	BIO 302	2
BIO 393 Plant Ecology	BIO 302	4
BIO 420 Limnology	BIO 181; BIO 211; BIO 302	3
Other Recommended Courses: <i>(Taking these classes improves your skill set & potential marketability)</i>		
GEOG 240 Maps and Remote Sensing		3
GEOL 335 Oceanography and Meteorology	GEOL 112 and FDMAT 108	4
GEOL 420 Geochemistry	GEOL 352 and CHEM 106 (OR instructor permission)	3
CIT 110 Intro to Excel		3
CS 124 Intro to Programming		3
AGRON 425 or APS 220 & 220L Soil		4

Foundations: Complete Option C for Foundations of Science; Complete GEOL 316 rather than FDENG 301

* Course offered at the University of Idaho Extension in Idaho Falls (Applied GIS or Hydrologic applications in GIS and Remote Sensing)

Environmental Geoscience as a Career:

Environmental scientists work for environmental quality and remediation firms, for geological engineering, mine, energy, and water resource companies, and for state and federal governments. This degree is excellent preparation for law school.

One year M.S. option at Univ. of Idaho, Idaho Falls:

Students

can apply to complete a 1-year M.S. in Environmental Science from the Univ. of ID. To do so, you must take 2 ENV SCI or related classes from the UI while completing your work at BYU. Some of these classes can be completed without paying additional tuition. If you are interested, Contact Carol Baldwin at cbaldwin@uidaho.edu for advising. She will work with you on establishing Idaho residency as well as on how to take UI classes while at BYU-I. The advisor for this degree is Professor Julie Willis.