

Geology B.S. Degree 2014 - 2015 Curriculum

Environmental Science Concentration

FRESHMAN YEAR

___ CH 1010 General Chemistry	4	___ CH 1020 General Chemistry	4
___ ENGL 1030 Accelerated Composition	3	___ GEOL 1120 Earth Resources	3
___ GEOL 1010 Physical Geology	3	___ MATH 1080 Calculus of One Variable II	4
___ GEOL 1030 Physical Geology Lab	1	___ A&H/SS Req ¹ _____	3
___ MATH 1060 Calculus of One Variable I	4	___ A&H/SS Req ¹ _____	3
	15		17

SOPHOMORE YEAR

___ BIOL 1030 General Biology I	3	___ BIOL 1040 General Biology II	3
___ BIOL 1050 General Biology Lab I	1	___ BIOL 1060 General Biology Lab II	1
___ GEOL 2050 Mineralogy and Intro. Petrology	3	___ GEOL 2020 Earth History	4
___ GEOL 2070 Mineral. And Intro. Petrology Lab	1	___ GEOL 2920 Introduction to Research II	1
___ ENSP 2000 Intro. To Environmental Science	3	___ PHYS 1220 Physics with Calculus I	3
___ GEOL 2910 Introduction to Research I	1	___ Organic Chemistry ²	3
___ A&H/SS Req ¹ _____	3		
	15		15

JUNIOR YEAR

___ GEOL 3000 Environmental Geology	3	___ GEOL 3180 Introduction to Geochemistry	3
___ GEOL 3020 Structural Geology	4	___ GEOL 3920 Research Methods II	2
___ GEOL 3910 Research Methods I	2	___ GEOL 4210 GIS Applications in Geology	3
___ GEOL 4150 Analysis of Geological Processes ³	4	___ Statistics ⁴ _____	3
		___ Env Sci Concentration Req ⁵ _____	4
	13		15

SUMMER FIELD EXPERIENCE

___ Field Experience ^b	6		
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SENIOR YEAR

___ GEOL 4820 Groundwater and Contaminant Transport	3	___ GEOL 4920 Research Synthesis II	3
___ GEOL 4910 Research Synthesis I	3	___ Env Sci Concentration Req ⁵ _____	4
___ ENSP 4000 Studies in Environmental Science	3	___ Env Sci Concentration Req ⁵ _____	3
___ A&H/SS Req ¹ _____	3	___ Env Sci Concentration Req ⁵ _____	3
	12		13

121 Total Semester Hours

1 See General Education Requirements. Three of these credits must also satisfy the Cross Cultural Awareness Requirement

2 CH 2010 or CH 2230.

3 MATH 2060 can be substituted

4 STAT 2300 or MATH 3020.

5 Total of 14 credit hours selected from department approved list. No more than 8 hours below the 3000-level. Courses cannot be used to satisfy any other requirement.

6 GEOL 4750 or a combination of GEOL 2750 plus a three credit hour field course in geology, ecology, or other approved discipline. Students desiring to become registered professional geologists should take a six-credit summer geology field camp.

STS Requirement: _____ CCA Requirement: _____ Total # of General Education Hours Completed: _____

ENVIRONMENTAL SCIENCE REQUIREMENT OPTIONS - See Advisor for list (Pick 14 hours total)