

Geology B.S. Degree 2022-2023 Curriculum

Environmental Science Concentration

FRESHMAN YEAR

___ CH 1010 General Chemistry	4	___ CH 1020 General Chemistry	4
___ ENGL 1030 Accelerated Composition	3	___ GEOL 2020 Earth History	4
___ GEOL 1010 Physical Geology	3	___ MATH 1080 Calculus of One Variable II	4
___ GEOL 1030 Physical Geology Lab	1	___ A&H/SS Reqt ¹ _____	3
___ MATH 1060 Calculus of One Variable I	4		
	15		15

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 Resources	3
___ GEOL 2070 Mineral. And Intro. Petrology Lab	1	___ GEOL 2910 Introduction to Research I	1
___ ENSP 2000 Intro. To Environmental Science	3	___ PHYS 1220 Physics with Calculus I	3
___ A&H/SS Reqt ¹ _____	3	___ Organic Chemistry ²	3
___ Gloal Challenges Reqt ¹ _____	3	___ A&H/SS Reqt ¹ _____	3
	17		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
___ Gloal Challenges Reqt ¹ _____	3	___ GEOL 3130 Sedimentology & Stratigraphy	4
	16		15

SUMMER FIELD EXPERIENCE

___ Field Experience ⁶	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 Reqt ⁵ _____	4
___ ENSP 4000 Studies in Environmental Science	3	___ Env Sci Concentration Reqt ⁵ _____	3
___ A&H/SS Reqt ¹ _____	3	___ Env Sci Concentration Reqt ⁵ _____	3
	12		13

126 Total Semester Hours

1 See General Education Requirements. Three of these credits must also satisfy the REACH Act Requirement

2 CH 2010 or CH 2230.

3 MATH 2060 can be substituted

4 STAT 2300 or MATH 3020.

5 Total of 10 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.

Total # of General Education Hours Completed: _____