

Geology B.S. Degree 2022 - 2023 Curriculum

HYDROGEOLOGY 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 Reqt ¹ _____	3
___ MATH 1060 Calculus of One Variable I	4	___ A&H/SS Reqt ¹ _____	3
	15		17

SOPHOMORE YEAR

___ GEOL 2050 Mineralogy and Intro Petrology	3	___ GEOL 2020 Earth History	4
___ GEOL 2070 Mineralogy and Intro Petrology Lab	1	___ GEOL 2910 Introduction to Research I	1
___ A&H/SS Reqt ¹ _____	3	___ Statistics ³ _____	3
___ PHYS 1220 Physics with Calculus I	3	___ PHYS 2210 Physics with Calculus II	3
___ PHYS 1240 Physics Lab I	1	___ Hydrogeology Concentration Reqt ² : _____	3
___ Hydrogeology Concentration Reqt ² : _____	3	___ A&H/SS Reqt ¹ _____	3
	14		17

JUNIOR YEAR

___ GEOL 3000 Environmental Geology	3	___ GEOL 3130 Sedimentology and Stratigraphy	4
___ GEOL 3020 Structural Geology	4	___ GEOL 3180 Introduction to Geochemistry	3
___ GEOL 3910 Research Methods I	2	___ GEOL 3920 Research Methods II	2
___ GEOL 4150 Analysis of Geological Processes ⁴	4	___ GEOL 4210 GIS Applications in Geology	3
___ Glocal Challenges Reqt ¹ _____	3	___ Glocal Challenges Reqt ¹ _____	3
	16		15

SUMMER FIELD EXPERIENCE

___ GEOL 4750 Summer Geology Field Camp	6		
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SENIOR YEAR

___ GEOL 4820 Groundwater and Contaminant Transport	3	___ EES 4010 Environmental Engineering	3
___ GEOL 4910 Research Synthesis I	3	___ GEOL 4050 Surficial Processes	4
___ Hydrogeology Concentration Reqt ² : _____	3	___ GEOL 4090 Subsurface Methods	4
___ Hydrogeology Concentration Reqt ² : _____	3	___ GEOL 4920 Research Synthesis	3
	12		14

126 Total Semester Hours

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

² Total of 12 credit hours selected from department approved list. Courses cannot be used to satisfy any other requirement.

³ STAT 2300 or MATH 3020.

⁴ MATH 2060 can be substituted.

Total Number of General Education Hours Completed: _____