

# Geology B.S. Degree 2025-2026 Curriculum

## Environmental Science Concentration

### FRESHMAN YEAR

____ CH 1010 General Chemistry 4 ____ ENGL 1030 Accelerated Composition 3 ____ GEOL 1010 Physical Geology 3 ____ GEOL 1030 Physical Geology Lab 1 ____ MATH 1060 Calculus of One Variable I 4 style="text-align: right; border-top: 1px solid black;">15	____ CH 1020 General Chemistry 4 ____ GEOL 2020 Earth History 4 ____ MATH 1080 Calculus of One Variable II 4 ____ A&H/SS Req <sup>1</sup> _____ 3 style="text-align: right; border-top: 1px solid black;">15
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### SOPHOMORE YEAR

____ BIOL 1030 General Biology I 3 ____ BIOL 1050 General Biology Lab I 1 ____ GEOL 2050 Mineralogy and Intro. Petrology 3 ____ GEOL 2070 Mineral. And Intro. Petrology Lab 1 ____ ENSP 2000 Intro. To Environmental Science 3 ____ A&H/SS Req <sup>1</sup> _____ 3 ____ Glocal Challenges Req <sup>1</sup> _____ 3 style="text-align: right; border-top: 1px solid black;">17	____ BIOL 1040 General Biology II 3 ____ BIOL 1060 General Biology Lab II 1 ____ GEOL 2020 Earth Resources 3 ____ A&H/SS Req <sup>1</sup> _____ 3 ____ PHYS 1220 Physics with Calculus I 3 ____ Organic Chemistry <sup>2</sup> _____ 3 style="text-align: right; border-top: 1px solid black;">14
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### JUNIOR YEAR

____ GEOL 3000 Environmental Geology 3 ____ GEOL 3020 Structural Geology 4 ____ GEOL 3910 Research Methods I 2 ____ GEOL 4150 Analysis of Geological Processes <sup>3</sup> 4 ____ Glocal Challenges Req <sup>1</sup> _____ 3 style="text-align: right; border-top: 1px solid black;">16	____ GEOL 3180 Introduction to Geochemistry 3 ____ GEOL 3920 Research Methods II 2 ____ GEOL 4210 GIS Applications in Geology 3 ____ Statistics <sup>4</sup> _____ 3 ____ GEOL 3130 Sedimentology & Stratigraphy 4 style="text-align: right; border-top: 1px solid black;">15
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### SUMMER FIELD EXPERIENCE

____ Field Experience <sup>6</sup> 6	
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### SENIOR YEAR

____ GEOL 4820 Groundwater and Contaminant Transport 3 ____ GEOL 4910 Research Synthesis I 3 ____ ENSP 4000 Studies in Environmental Science 3 ____ A&H/SS Req <sup>1</sup> _____ 3 style="text-align: right; border-top: 1px solid black;">12	____ GEOL 4920 Research Synthesis II 3 ____ Env Sci Concentration Req <sup>5</sup> _____ 4 ____ Env Sci Concentration Req <sup>5</sup> _____ 3 ____ Env Sci Concentration Req <sup>5</sup> _____ 3 style="text-align: right; border-top: 1px solid black;">13
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### 125 Total Semester Hours

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

<sup>2</sup> CH 2010 or CH 2230.

<sup>3</sup> MATH 2060 can be substituted

<sup>4</sup> STAT 2300 or MATH 3020.

<sup>5</sup> 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 within this major.

<sup>6</sup> 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: \_\_\_\_