

B.S. EARTH AND SPATIAL SCIENCES: Geological Sciences Option

**Proposed to Start
Fall 2023
Pending Approval**

BUILD A ROCK-SOLID CAREER

RECOMMENDED 4-YEAR PLAN

Building off a 50-year tradition of training leaders in geology, our Geological Science Option allows our students work directly with world-class faculty in the laboratory and unique outdoor settings throughout their college careers. The majority of our undergraduates participate in undergraduate research experiences and many join faculty on travel to exciting destinations like Iceland and Hawaii. Our geology courses emphasize a “hands-on” approach, bridging learning opportunities in the classroom with direct experience in the field. Through the Geological Sciences Option, you will focus on geological hazards (earthquakes, landslides, volcanoes), the importance of water access and availability, and planning for human activities. Our graduates are prepared to balance the many demands placed on the nation’s land resources. Careers include working for the petroleum and mining industries, environmental consulting, mineralogy, water resources and quality, and state and federal land management agencies.

FRESHMAN		FALL
COURSE		CREDITS
GEOG 100/GEOG 100L OR GEOL 101/101L OR GEOL 111/111L OR GEOL 102/102L		4
ENGL 101 - College Writing & Rhetoric I		3
General Education Requirement		3
General Education Requirement		3
MATH 143		3
		TOTAL 16

FRESHMAN		SPRING
COURSE		CREDITS
ENGL 102* - College Writing & Rhetoric (ENGL 101)	<i>Writ Comm</i>	3
CHEM 111/111L General Chemistry		4
GEOL 249 Mineralogy and Optical Mineralogy		4
MATH 160 OR MATH 170		4
		TOTAL 15

SOPHOMORE		FALL
COURSE		CREDITS
GEOL 324 Principles of Stratigraphy and Sedimentation		4
GEOG 165 Human Geography OR GEOG 200 World Cultures and Globalization		3
PHYS 111/111L OR PHYS 211/211L		4
Geology Elective		3
		TOTAL 14

SOPHOMORE		SPRING/ SUMMER
COURSE		CREDITS
GEOL 345 Structural Geology		4
GEOG 385 Foundations of GIS		3
MATH 175 OR MATH 330		4
General Education Requirement		3
Summer: GEOL 302 Field Geology Methods		3
		TOTAL 15

This academic plan is intended as a guideline only and does not replace academic advising. 120 credits minimum are required for a B.S. in Earth and Spatial Sciences. Minimum of 36 upper-division credits required to graduate. See course catalog and department website for complete degree requirements and additional information.

B.S. EARTH AND SPATIAL SCIENCES: GEOLOGICAL SCIENCES

RECOMMENDED 4-YEAR PLAN

JUNIOR		FALL
COURSE		CREDITS
GEOL 326 - Igenous and Metamorphic Petrology		4
ENGL 317 - Technical Writing		3
General Education Requirement		3
Elective		3
		TOTAL 15

JUNIOR		SPRING/ SUMMER
COURSE		CREDITS
STAT 251 - Statistical Methods		3
General Education Requirement		3
Elective(s)		9
Summer: GEOL 490 - Geology Field Camp		3
		TOTAL 18

SENIOR		FALL
COURSE		CREDITS
Geology Elective		3
Geology Elective		3
General Education Requirement		3
Elective		3
Elective		3
		TOTAL 15

SENIOR		SPRING
COURSE		CREDITS
Geology Elective		3
Elective		3
Elective		3
Elective		3
		TOTAL 12



READY TO GET STARTED?



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