

B.A. in Geology

The B.A. program provides the student a broad foundation in geology with a specialization in at least one other field through the minors program. The minor chosen by the student requires a minimum of 15 credit hours in one discipline. The B.A. program offers additional opportunities for the student to diversify through geology and technical electives. Because of the great flexibility of this program, it is important to speak to a departmental advisor as soon as practicable, and electives must be chosen in consultation with an advisor.

Fall Semester		(Th-Pr)	Cr	Spring Semester		(Th-Pr)	Cr
Freshman Year							
CHEM 101	Fund. of Chemistry I	(3-3)	4	CHEM 102	Fund. of Chemistry II	(3-3)	4
ENGL 104	Comp. & Rhetoric	(3-0)	3	GEOL 106	Historical Geology	(3-3)	4
GEOL 104	Physical Geology	(3-3)	4	MATH 131	Math Concepts – Calculus ²	(3-0)	3
MATH 166	Topic in Contemp. Math II ¹	(3-0)	<u>3</u>	U.S. history or political science elective ³			<u>3</u>
			14				14
Sophomore Year							
GEOL 203	Mineralogy	(2-6)	4	GEOL 302	Introduction to Petrology	(3-3)	4
PHYS 201	College Physics ⁴	(3-3)	4	GEOL 309	Intro to Geol. Field Methods	(1-6)	3
GEOP 341	Intro to Global Geophysics	(3-0)	3	PHYS 202	College Physics ⁶	(3-3)	4
Minor elective ⁵			3	Minor elective ⁵			3
KINE 198	Health and Fitness Activity	(0-2)	<u>1</u>	KINE 199	Required Physical Activity	(0-2)	<u>1</u>
			15				15
Junior Year							
ENGL 301	Technical Writing	(3-0)	3	GEOL 306	Sedimentology & Stratigraphy	(3-3)	4
Geology elective ⁷			4	GEOL 312	Struct. Geology and Tectonics	(3-3)	4
Humanities elective ³			3	Geology elective ⁷			3
Minor elective ⁵			3	U.S. history or political science elective ³			3
Technical elective ⁸			<u>3</u>	Technical elective ⁸			<u>3</u>
			16				17
Summer Field Studies							
GEOL 330	Geologic Field Trips		3				
Senior Year							
Free electives			9	Free elective			3
Minor elective ⁵			3	Geology elective ⁷			4
U.S. history or political science elective ³			3	Minor elective ⁵			3
Visual and performing arts elective ³			<u>3</u>	Social and behavioral sciences elective ³			3
			18	U.S. History or Political Science elective ³			<u>3</u>
							16

Total Hours: 128

Footnotes

¹May substitute Math 141.

²May substitute Math 142, 151 or 171.

³These electives must be selected from the approved list of courses satisfying the University Core Curriculum.

⁴May substitute Physics 218.

⁵Fifteen hours of electives must be selected in a Minor. Electives must be chosen in consultation with advisor.

⁶May substitute Physics 208 or 219.

⁷Any 300- or 400-level geology or geophysics course not already required, such as GEOL 301, 304, 305, 307, 321, 404, 410, 420, 440, 451, 453, 454 and GEOP 435.

⁸Any science, math or engineering course that augments the degree with the approval of the advisor.