

Bachelor of Science Degree in Geological Sciences

The B.S. curriculum is designed to prepare students to become professional geologists in mining, petroleum, and environmental industries, geological surveys, and for entry into a graduate program in geological sciences

	Crs. #	cr.	h.		Crs. #	cr.	h.
I. Core Courses							
1. Principles of Geology <u>or</u>	1100	4		4. Mineralogy	3250	5	
Environmental Geology	1200	4		5. Introduction to Geochemistry	3300	3	
2. Historical Geology	2350	3		6. Sedimentology	3800	3	
And Laboratory	2360	1		7. Igneous and Metam. Petrol.	3900	4	
3. Surficial Earth Processes	2400	4		8. Structural Geology	4150	4	
<u>or</u> Intro. to Soil Science	2110	5		9. Plate Tectonics	4650	3	
				10. Field Geology	4992	6	

II. Additional Geology Course at 2000 Level or Above

III. Three additional courses at the 4000 level

(other than problems; one course can be fulfilled by 3 hours of senior thesis)

Total in Geological Sciences: 52 or more cr. hrs.

IV. Collateral Math and Science Courses

cr. h.

Professional Track OR

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|---|----|
| 1. General Chemistry (Chem. 1320 and 1330) | 6 |
| 2. University Physics (Phys. 2750 and 2760) | 10 |
| 3. Calculus (Math 1500, 1700, 2300) | 13 |

General Track

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| 1. General Chemistry (Chem. 1320 and 1330) | 6 |
| 2. College Physics (Phys. 1210 and 1220) | 8 |
| 3. Calculus (Math 1500, 1700) | 10 |

Total Collateral Science:

24-29 cr. hrs.

V. Arts & Science Foundation Requirements

http://coas.missouri.edu/pdfs_docs/BS.pdf

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|---|----|
| 1. English 1000 | 3 |
| 2. American Government Course | 3 |
| 2. Foreign Language or Foreign Language Alternative | 12 |
| 3. Social and Behavioral Sciences
(include depth of study course) | 9 |
| 4. Humanities and Fine Arts (include depth of study course) | 9 |
| 5. Two Writing Intensive Courses
(one course must be 3000 level or above in major) | |
| 6. Electives as needed to reach 120 credit hours | |

Total General Education:

36 or more cr. hrs.

Total Hours:

120 cr. hrs.