

# BACHELOR OF SCIENCE, MAJOR IN GEOLOGY

Code	Title	Hours
<b>Bachelor of Science, Major in Geology</b>		
<b>Core Curriculum</b>		
Component Area I (Communication)		6
Component Area II (Mathematics)		3
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences)		3
Component Area IX (Component Area Option)		4
<b>Degree Specific Requirements</b>		
CHEM 1411 & CHEM 1412	General Chemistry I and General Chemistry II <sup>1</sup>	8
MATH 1420 & MATH 1430 or MATH 3379	Calculus I and Calculus II <sup>2</sup> Statistical Methods In Practice	7-8
PHYS 1301 & PHYS 1101 & PHYS 1302 & PHYS 1102	General Phy-Mechanics & Heat and General Physics Laboratory I and Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory II	8
<b>Major Core</b>		
GEOL 1403 or GEOL 1405	Physical Geology Geologic Hazards & Resources	4
GEOL 1404 & GEOL 3301	Historical Geology and Field Methods	7
GEOL 3404 & GEOL 3405	Mineralogy and Petrology	8
GEOL 4400 & GEOL 4402 & GEOL 4360 & GEOL 4361	Stratigraphy And Sedimentation and Structural Geology and Field Geology and Field Geology	14
GEOL 4413 & GEOL 4304	Methods In Applied Geophysics and Geochemistry	7
<b>Major</b>		
Advanced Geology electives		9
<b>Minor (if required)</b>		
Courses in accepted minor		6
Courses in accepted minor		12
Total Hours		120-121

<sup>1</sup> CHEM 1411 and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the Degree Specific requirement.

<sup>2</sup> MATH 1420 satisfies the Core Curriculum requirement for Component Area II (Mathematics), one semester credit hour of Component Area IX (Component Area Option), and the Degree Specific requirement.

## First Year

Fall	Hours Spring	Hours Summer	Hours
CHEM 1411 <sup>1</sup>	4 CHEM 1412 <sup>1</sup>	4 GEOL 3301	3
ENGL 1301 <sup>2</sup>	3 ENGL 1302 <sup>2</sup>	3	
GEOL 1403 or 1405	4 GEOL 1404	4	

MATH 1420 <sup>3</sup>	4 MATH 1430 or 3379	3-4	
	15	14-15	3
<b>Second Year</b>			
<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>	
GEOL 3404	4 GEOL 3405	4	
Minor Course	3 Minor Course	3	
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4	
POLS 2305 <sup>4</sup>	3 POLS 2306 <sup>4</sup>	3	
	14	14	
<b>Third Year</b>			
<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>	
Component Area IV	3 Component Area V	3	
GEOL 4400	4 GEOL 4402	4	
HIST 1301 <sup>5</sup>	3 HIST 1302 <sup>5</sup>	3	
Minor Course	3 Minor Course	3	
	13	13	
<b>Fourth Year</b>			
<b>Fall</b>	<b>Hours Spring</b>	<b>Hours Summer</b>	<b>Hours</b>
Component Area VIII	3 Component Area IX	3 GEOL 4360 & GEOL 4361	6
GEOL 4304	3 GEOL 4413	4	
GEOL Advanced elective	3 GEOL Advanced elective	3	
GEOL Advanced elective	3 Minor Course	3	
Minor Course	3		
	15	13	6

Total Hours: 120-121

- 1 Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).
- 2 Satisfies Core Curriculum requirement for Component Area I (Communications).
- 3 Satisfies Core Curriculum requirement for Component Area II (Mathematics).
- 4 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Movement).
- 5 Satisfies Core Curriculum requirement for Component Area VI (U.S. History).