

# BACHELOR OF SCIENCE, MAJOR IN GEOLOGY

## Bachelor of Science, Major in Geology

**Core Curriculum** ([catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum](http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum))

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

## Degree Specific Requirements

CHEM 1411 & CHEM 1412	General Chemistry I and General Chemistry II <sup>1</sup>	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
MATH 1420 & MATH 1430 or MATH 3379	Calculus I and Calculus II <sup>2</sup> Statistical Mthods In Practice	7-8

## Major Core

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

## Major

Advanced Geology electives	9
----------------------------	---

## Minor (if required)

Courses in accepted minor	6
Courses in accepted minor	12

Total Hours 120-121

<sup>1</sup> CHEM courses satisfy the requirement for Component Area III and the degree specific requirement.

<sup>2</sup> MATH 1420 satisfies the requirement for Component Area II and 1 hour of Component Area IX, as well as the degree specific requirement.

## First Year

Fall	Hours Spring	Hours Summer	Hours
GEOL 1403 or 1405	4 GEOL 1404	4 GEOL 3301	3
CHEM 1411 <sup>1</sup>	4 CHEM 1412 <sup>1</sup>	4	
ENGL 1301 <sup>2</sup>	3 ENGL 1302 <sup>2</sup>	3	
MATH 1420 <sup>3</sup>	4 MATH 1430 or 3379	3-4	
	15	14-15	3

**Second Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
GEOL 3404	4 GEOL 3405	4
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4
POLS 2305 <sup>4</sup>	3 POLS 2306 <sup>4</sup>	3
Minor	3 Minor	3
	14	14

**Third Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
GEOL 4400	4 GEOL 4402	4
HIST 1301 <sup>5</sup>	3 HIST 1302 <sup>5</sup>	3
Component Area IV (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareav)	3 Component Area V (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareav)	3
Minor	3 Minor	3
	13	13

**Fourth Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours Summer</b>	<b>Hours</b>
GEOL 4304	3 GEOL 4413	4 GEOL 4360 & GEOL 4361	6
Geology Advanced elective	3 Geology Advanced elective	3	
Geology Advanced elective	3 Component Area IX (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaix)	3	
Component Area VIII (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaviii)	3 Minor	3	
Minor	3		
	15	13	6

Total Hours: 120-121

- 1 Satisfies Component Area III.
- 2 Satisfies Component Area I.
- 3 Satisfies Component Area II.
- 4 Satisfies Component Area VII.
- 5 Satisfies Component Area VI.