

BACHELOR OF SCIENCE, MAJOR IN GEOLOGY

Code	Title	Hours
Bachelor of Science, Major in Geology		
Core Curriculum (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 ¹	8
MATH 1420 & MATH 1430 or MATH 3379	Calculus I and Calculus II ² 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 ³	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 & 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 (advanced)		6
Courses in accepted minor		12
Total Hours		120-121

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

² 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.

³ PHYS 1411 and PHYS 1422 also satisfy this requirement.

First Year

Fall	Hours Spring	Hours Summer	Hours
CHEM 1411 ¹	4 CHEM 1412 ¹	4 GEOL 3301	3
ENGL 1301 ²	3 ENGL 1302 ²	3	

GEOL 1403 or 1405	4 GEOL 1404	4	
MATH 1420 ³	4 MATH 1430 or 3379	3-4	
	15	14-15	3

Second Year

Fall	Hours Spring	Hours	
GEOL 3404	4 GEOL 3405	4	
Minor Course	3 Minor Course	3	
PHYS 1301 & PHYS 1101 (or PHYS 1411)	4 PHYS 1302 & PHYS 1102 (or PHYS 1422)	4	
POLS 2305 ⁴	3 POLS 2306 ⁴	3	
	14	14	

Third Year

Fall	Hours Spring	Hours	
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	
GEOL 4400	4 GEOL 4402	4	
HIST 1301 ⁵	3 HIST 1302 ⁵	3	
Minor Course	3 Minor Course	3	
	13	13	

Fourth Year

Fall	Hours Spring	Hours Summer	Hours
Component Area VIII (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaviii)	3 Component Area IX (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaix)	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 (advanced)	3	
Minor Course (advanced)	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).