

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)

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	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
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Minor (if required)

Courses in accepted minor	6
Courses in accepted minor	12

Total Hours 120-121

¹ 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.

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	4 PHYS 1302 & PHYS 1102	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/ #componentareaiv)	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	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).