

GEOLOGY (BS)

Degree Requirements

Code	Title	Hours
General Education Requirements		
https://bulletin.southalabama.edu/programs-az/arts-sciences/#generaleducationtext		53-57
Major Requirements 40		
<i>Geology Major Core</i>		
A. Complete the following:		
GY 111 & 111L	Physical Geology and Physical Geology Lab	4
GY 112 & 112L	Earth History and Earth History Lab	4
GY 301	Geomorphology	3
GY 302	Crystallography and Mineralogy	4
GY 303	Igneous & Meta Petrology	4
GY 306	Sedimentology & Stratigraphy-W	4
GY 403	Structural Geology	4
GY 480	Field Geology	6
<i>Geology Major Elective</i>		
A. Select eight hours from the following: 8		
GY 304	Stratigraphy - W	
GY 305	Geophysics	
GY 401	Paleontology	
GY 425	Hydrology	
GY 446	Marine Geology	
GY 494	Directed Studies	
Other STEM Requirements		
See list below.		
Minor Requirements		
A minor is required for this degree program		18-24
A MINIMUM OF 120 HOURS IS REQUIRED FOR A DEGREE		120

All undergraduates must complete two designated writing credit (W) courses, at least one must be in major or minor.

Other STEM Requirements

The Geology degree also requires:

Code	Title	Hours
CH 131 & 131L	General Chemistry I and General Chemistry I Lab	4
CH 132 & 132L	General Chemistry II and General Chemistry II Lab	4
PH 114 & 114L	Physics with Algebra-Trig I and Alg-Trig Based Physics I Lab	5
or PH 201 & 201L	Calculus-Based Physics I and Calculus-Based Physics I Lab	
PH 115 & 115L	Physics with Algebra -Trig II and Alg-Trig Based Physics II Lab	5
or PH 202 & 202L	Calculus-Based Physics II and Calculus-Based Physics II Lab	

MA 125	Calculus I	4
MA 126	Calculus II	4

Graduation Plan

(40 Total Hours)

Course	Title	Hours
First Year		
Fall		
GY 111	Physical Geology	3
GY 111L	Physical Geology Lab	1
CA 110	Public Speaking	3
EH 101	English Composition I	3
CH 131	General Chemistry I	3
CH 131L	General Chemistry I Lab	1
CAS 100	First Yr Exp -	2
Hours		16
Spring		
GY 112	Earth History	3
GY 112L	Earth History Lab	1
EH 102	English Composition II	3
CH 132	General Chemistry II	3
CH 132L	General Chemistry II Lab	1
Social Science 1 (History Sequence 1)		3
Hours		14
Second Year		
Fall		
GY 301	Geomorphology	3
MA 125	Calculus I	4
Social Science 2 (History Sequence 2)		3
EH 225	Am Lit before 1865 (Survey of American Literature I)	3
Foreign Language 1		3
Hours		16
Spring		
GY 306	Sedimentology & Stratigraphy-W	4
MA 126	Calculus II	4
EH 226	Am Lit after 1865 (Survey of American Literature II)	3
Foreign Language 2		3
Hours		14
Third Year		
Fall		
GY 302	Crystallography and Mineralogy	4
PH 115 or PH 202	Physics with Algebra -Trig II or Calculus-Based Physics II	4
PH 115L or PH 202L	Alg-Trig Based Physics II Lab or Calculus-Based Physics II Lab	0
Social Science 3		3
Social Science 4		3
Hours		14
Spring		
GY 303	Igneous & Meta Petrology	4
PH 115 or PH 202	Physics with Algebra -Trig II or Calculus-Based Physics II	4
PH 115L or PH 202L	Alg-Trig Based Physics II Lab or Calculus-Based Physics II Lab	0
Minor course 1		3-4
Minor course 2		3-4
Hours		14-16
Fourth Year		
Fall		
GY elective	Geology elective 1	3
Minor course 3		3-4

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Minor course 4		3-4
Humanities 3/Fine Arts 1		3
Hours		12-14
Spring		
GY 403	Structural Geology	4
GY elective	Geology elective 2	3
Minor course 5		3-4
Minor course 6		3-4
Hours		13-15
Summer		
GY 480	Field Geology	6
Hours		6
Total Hours		119-125

See General Education Requirements