

GEOLOGY, BS

Course Sequencing

General Geology

First Year

		Hours
Fall		
GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
ENGL 1301	Writing and Rhetoric I	3
or ENGL 1302	or Writing and Rhetoric II	
USSE 1201	University Seminar	2
COMM 1311	Foundation of Communication	3
Hours		16

Spring

GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1
Hours		13

Second Year

Fall		
GEOL 3411	Mineralogy	4
CHEM 1412	General Chemistry II	4
PHYS 1402	General Physics II	4
POLS 2305	U.S. Government and Politics	3
Hours		15

Spring

GEOL 2222	Karst Geology and Paleoclimatology	2
MATH 3342	Applied Probability and Statistics	3
GEOL/Science Elective		4
GEOL 2103	Undergraduate Seminar in Geology-Research in the Geosciences	1
American History Core Requirement		3
Hours		13

Third Year

Fall		
GEOL 4416	Introduction to Geochemistry	4
GEOL Elective		4
POLS 2306	State and Local Government	3
American History Core Requirement		3
Hours		14

Spring

GEOL 3414	Igneous and Metamorphic Petrology	4
ARTS 1301	Art and Society	3
Language, Philosophy & Culture Core Requirement		3
GEOL/Science Elective		4
Hours		14

Fourth Year

Fall		
GEOL 4411	Sedimentation and Stratigraphy	4

GEOL 4421	Structural Geology	4
GEOL/Science Elective		4
Social and Behavioral Sciences Core Requirement		3
Hours		15

Spring

GEOL 3326	Introduction to Geological Field Methods	3
GEOL 4444	Hydrogeology	4
GEOL 4422	Geophysics	4
GEOL/Science Elective		4
Hours		15

Summer

GEOL 4650	Field Geology	6
Hours		6
Total Hours		121

Geochemistry Track

First Year

		Hours
Fall		
GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
ENGL 1301	Writing and Rhetoric I	3
or ENGL 1302	or Writing and Rhetoric II	
USSE 1201	University Seminar	2
COMM 1311	Foundation of Communication	3
Hours		16

Spring

GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1
Hours		13

Second Year

Fall		
GEOL 3411	Mineralogy	4
CHEM 1412	General Chemistry II	4
PHYS 1402	General Physics II	4
POLS 2305	U.S. Government and Politics	3
Hours		15

Spring

GEOL 2222	Karst Geology and Paleoclimatology	2
MATH 3342	Applied Probability and Statistics	3
GEOL/Science Elective		4
GEOL 2103	Undergraduate Seminar in Geology-Research in the Geosciences	1
American History Core Requirement		3
Hours		13

Third Year

Fall		
GEOL 4416	Introduction to Geochemistry	4
CHEM 3418	Instrumental Analysis	4
POLS 2306	State and Local Government	3

American History Core Requirement		3
Hours		14
Spring		
GEOL 3414	Igneous and Metamorphic Petrology	4
ARTS 1301	Art and Society	3
Language, Philosophy & Culture Core Requirement		3
GEOL/Science Elective		4
Hours		14
Fourth Year		
Fall		
GEOL 4411	Sedimentation and Stratigraphy	4
GEOL 4421	Structural Geology	4
GEOL/Science Elective		4
Social and Behavioral Sciences Core Requirement		3
Hours		15
Spring		
GEOL 3326	Introduction to Geological Field Methods	3
GEOL 4444	Hydrogeology	4
GEOL 4422	Geophysics	4
GEOL/Science Elective		4
Hours		15
Summer		
GEOL 4650	Field Geology	6
Hours		6
Total Hours		121

Environmental Geology Track

First Year		
Fall		
GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
ENGL 1301	Writing and Rhetoric I	3
or ENGL 1302	or Writing and Rhetoric II	
USSE 1201	University Seminar	2
COMM 1311	Foundation of Communication	3
Hours		16
Spring		
GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1
Hours		13
Second Year		
Fall		
GEOL 3411	Mineralogy	4
CHEM 1412	General Chemistry II	4
PHYS 1402	General Physics II	4
POLS 2305	U.S. Government and Politics	3
Hours		15
Spring		
GEOL 2222	Karst Geology and Paleoclimatology	2

MATH 3342	Applied Probability and Statistics	3
GEOL/Science Elective		4
GEOL 2103	Undergraduate Seminar in Geology-Research in the Geosciences	1
American History Core Requirement		3
Hours		13
Third Year		
Fall		
GEOL 4416	Introduction to Geochemistry	4
GEOL 3443	Environmental Geology	4
POLS 2306	State and Local Government	3
American History Core Requirement		3
Hours		14
Spring		
GEOL 3414	Igneous and Metamorphic Petrology	4
ARTS 1301	Art and Society	3
Language, Philosophy & Culture Core Requirement		3
GEOL/Science Elective		4
Hours		14
Fourth Year		
Fall		
GEOL 4411	Sedimentation and Stratigraphy	4
GEOL 4421	Structural Geology	4
GEOL/Science Elective		4
Social and Behavioral Sciences Core Requirement		3
Hours		15
Spring		
GEOL 3326	Introduction to Geological Field Methods	3
GEOL 4444	Hydrogeology	4
GEOL 4422	Geophysics	4
GEOL/Science Elective		4
Hours		15
Summer		
GEOL 4650	Field Geology	6
Hours		6
Total Hours		121

Energy Resources Track

First Year		
Fall		
GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
ENGL 1301	Writing and Rhetoric I	3
or ENGL 1302	or Writing and Rhetoric II	
USSE 1201	University Seminar	2
COMM 1311	Foundation of Communication	3
Hours		16
Spring		
GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4

GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1
Hours		13
Second Year		
Fall		
GEOL 3411	Mineralogy	4
CHEM 1412	General Chemistry II	4
PHYS 1402	General Physics II	4
POLS 2305	U.S. Government and Politics	3
Hours		15
Spring		
GEOL 2222	Karst Geology and Paleoclimatology	2
MATH 3342	Applied Probability and Statistics	3
GEOL/Science Elective		4
GEOL 2103	Undergraduate Seminar in Geology-Research in the Geosciences	1
American History Core Requirement		3
Hours		13
Third Year		
Fall		
GEOL 4416	Introduction to Geochemistry	4
GEOL/Science Elective		4
POLS 2306	State and Local Government	3
American History Core Requirement		3
Hours		14
Spring		
GEOL 3414	Igneous and Metamorphic Petrology	4
ARTS 1301	Art and Society	3
Language, Philosophy & Culture Core Requirement		3
GEOL/Science Elective		4
Hours		14
Fourth Year		
Fall		
GEOL 4411	Sedimentation and Stratigraphy	4
GEOL 4421	Structural Geology	4
GEOL 4436	Introduction to Petroleum Geology	4
Social and Behavioral Sciences Core Requirement		3
Hours		15
Spring		
GEOL 3326	Introduction to Geological Field Methods	3
GEOL 4444	Hydrogeology	4
GEOL 4422	Geophysics	4
GEOL/Science Elective		4
Hours		15
Summer		
GEOL 4650	Field Geology	6
Hours		6
Total Hours		121