

# GEOLOGY, BS

## Course Sequencing

### General Geology

#### First Year

Fall		Hours
GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
UNIV 1101	University Seminar I	1
ENGL 1301 or ENGL 1302	Writing and Rhetoric I or Writing and Rhetoric II	3
COMM 1311	Foundation of Communication	3
<b>Hours</b>		<b>15</b>

#### Spring

GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4
UNIV 1102	University Seminar II	1
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1
<b>Hours</b>		<b>14</b>

#### Second Year

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

#### 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
<b>Hours</b>		<b>13</b>

#### Third Year

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

#### Spring

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

#### 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
<b>Hours</b>		<b>15</b>

##### Spring

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

##### Summer

GEOL 4650	Field Geology	6
<b>Hours</b>		<b>6</b>
<b>Total Hours</b>		<b>121</b>

### Geochemistry Track

#### First Year

Fall		Hours
GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
UNIV 1101	University Seminar I	1
ENGL 1301 or ENGL 1302	Writing and Rhetoric I or Writing and Rhetoric II	3
COMM 1311	Foundation of Communication	3
<b>Hours</b>		<b>15</b>

#### Spring

GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4
UNIV 1102	University Seminar II	1
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1
<b>Hours</b>		<b>14</b>

#### Second Year

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

#### 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
<b>Hours</b>		<b>13</b>

**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

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**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

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**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

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**Hours** **15**

**Spring**

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

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**Hours** **15**

**Summer**

GEOL 4650	Field Geology	6
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**Hours** **6**

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**Total Hours** **121**

**Environmental Geology Track****First Year****Fall****Hours**

GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
UNIV 1101	University Seminar I	1
ENGL 1301 or ENGL 1302	Writing and Rhetoric I or Writing and Rhetoric II	3
COMM 1311	Foundation of Communication	3

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**Hours** **15**

**Spring**

GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4
UNIV 1102	University Seminar II	1
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1

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**Hours** **14**

**Second Year****Fall**

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

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**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

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American History Core Requirement 3

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**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

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**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

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**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

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**Hours** **15**

**Spring**

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

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**Hours** **15**

**Summer**

GEOL 4650	Field Geology	6
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**Hours** **6**

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**Total Hours** **121**

**Energy Resources Track****First Year****Fall****Hours**

GEOL 1403	Physical Geology	4
MATH 2413	Calculus I	4
UNIV 1101	University Seminar I	1
ENGL 1301 or ENGL 1302	Writing and Rhetoric I or Writing and Rhetoric II	3

COMM 1311	Foundation of Communication	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
GEOL 1404	Historical Geology	4
CHEM 1411	General Chemistry I	4
PHYS 1401	General Physics I	4
UNIV 1102	University Seminar II	1
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1
<b>Hours</b>		<b>14</b>
<b>Second Year</b>		
<b>Fall</b>		
GEOL 3411	Mineralogy	4
CHEM 1412	General Chemistry II	4
PHYS 1402	General Physics II	4
POLS 2305	U.S. Government and Politics	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
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
<b>Hours</b>		<b>13</b>
<b>Third Year</b>		
<b>Fall</b>		
GEOL 4416	Introduction to Geochemistry	4
GEOL/Science Elective		4
POLS 2306	State and Local Government	3
American History Core Requirement		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
GEOL 3414	Igneous and Metamorphic Petrology	4
ARTS 1301	Art and Society	3
Language, Philosophy & Culture Core Requirement		3
GEOL/Science Elective		4
<b>Hours</b>		<b>14</b>
<b>Fourth Year</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
GEOL 3326	Introduction to Geological Field Methods	3
GEOL 4444	Hydrogeology	4
GEOL 4422	Geophysics	4
GEOL/Science Elective		4
<b>Hours</b>		<b>15</b>

<b>Summer</b>		
GEOL 4650	Field Geology	6
<b>Hours</b>		<b>6</b>
<b>Total Hours</b>		<b>121</b>