## FRESHMAN

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Units</th>
<th>Spring Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE A.1 Oral Comm (HCOM 100)</td>
<td>3</td>
<td>GE A.3 Critical Thinking (READ 290)</td>
<td>3</td>
</tr>
<tr>
<td>GE A.2 Written Comm (ENGL 101)</td>
<td>3</td>
<td>GE C.4 World Civ (HIST 110A)</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 101 Physical Geology</td>
<td>3</td>
<td>GEOL 201 Earth History</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 101L Physical Geology Lab</td>
<td>1</td>
<td>MATH 130 OR 150A OR MATH 338</td>
<td>4/5</td>
</tr>
<tr>
<td>MATH 115 (for MATH 130 track) OR MATH 125 (for MATH 150A track) OR MATH 130</td>
<td>4</td>
<td>MATH 130W – if taking MATH 130</td>
<td>(1)</td>
</tr>
<tr>
<td>MATH 115W, 125W or 130W</td>
<td>(1)</td>
<td>CHEM 115 POSSIBLY</td>
<td>(4)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15/16</td>
<td><strong>14</strong></td>
<td>(18)</td>
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## SOPHOMORE

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Units</th>
<th>Spring Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE D.2 World Civ (HIST 110B)</td>
<td>3</td>
<td>GE D.4 American Govt (POSC 100)</td>
<td>3</td>
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<tr>
<td>GE D.3 American History (HIST 180)</td>
<td>3</td>
<td>GE C.1 Arts (ART 101)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 150B or MATH 338</td>
<td>4</td>
<td>GEOL 380 Field Methods</td>
<td>3</td>
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<tr>
<td>CHEM 120A</td>
<td>5</td>
<td>CHEM 120B OR CHEM 125</td>
<td>5/3</td>
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<td><strong>Total</strong></td>
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<td><strong>14</strong></td>
<td>12/12</td>
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## JUNIOR

<table>
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<th>Fall Semester</th>
<th>Units</th>
<th>Spring Semester</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>GEOL 335 Surf. Processes &amp; Hydrology</td>
<td>3</td>
<td>GE C.2 Humanities (PHIL 120)</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 211/211L OR PHYS 225/225L</td>
<td>4</td>
<td>PHYS 212/212L OR PHYS 226/226L</td>
<td>4</td>
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<tr>
<td>GEOL 303A Earth Materials</td>
<td>4</td>
<td>GEOL 303B Ig/Met Petrology</td>
<td>4</td>
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<tr>
<td>BIOL 101</td>
<td>3</td>
<td>GEOL Quantitative Elective* or other GEOL elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEOL 498</td>
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</tr>
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<td><strong>Total</strong></td>
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<td><strong>15</strong></td>
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## SENIOR

<table>
<thead>
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<th>Units</th>
<th>Spring Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE C.3 Arts/Hum Exploration (ANTH 305)</td>
<td>3</td>
<td>GE D.5 Soc. Sci. Exploration (ANTH 310)</td>
<td>3</td>
</tr>
<tr>
<td>GE D.1 Social Sciences (GEOG 101)</td>
<td>4</td>
<td>GE E Lifelong learning (BIOL 360)</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 360 Structural Geology</td>
<td>4</td>
<td>GEOL 321 Sedimentology/Stratigraphy</td>
<td>4</td>
</tr>
<tr>
<td>GEOL elective</td>
<td>3</td>
<td>GEOG 481 Geographic Info Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 498</td>
<td>1</td>
<td>GEOL Quantitative Elective or other GEOL elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEOL 498</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>15</td>
<td><strong>17</strong></td>
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**Summer Semester**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>GEOL 481A</td>
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</tbody>
</table>
To enroll in CHEM 120A you must:

A) pass the Chemistry Placement Exam

B) Take and pass CHEM 115 with a C or better

C) Pass Entry Level Math (ELM)

CHEM 120A is a Pre-requisite or Co-requisite for GEOL 303A

CHEM 120A is a Pre-requisite for CHEM 125 or 120B

CHEM 120B/125 is a Pre-requisite or Co-requisite for GEOL 303B AND GEOL 406

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GEOL 101L is Pre-requisite for GEOL 201

MATH 115/125/130/ 150A and ENGL 101/GE A.2 are Pre-requisites for GEOL 303A

GEOL 201 and CHEM 120A are Pre- or Co-requisites for GEOL 303B

CHEM 120B/125 and GEOL 380 are Pre-requisites for GEOL 303B

GEOL 201, GEOL 303B are Pre-requisites for GEOL 321

GEOL 201 and BIOL 101/171 are Pre-requisites for GEOL 322

GEOL 101L or junior/senior standing are Pre-requisites for GEOL 333

GEOL 101L is a Pre-requisite for GEOL 335

GEOL 303A, GEOL 380 and PHYS 211 or 225 are Pre-requisites for GEOL 360

GEOL 201, ENGL 101/GE A.2 and MATH 115/125 are Pre- or Co-requisites for GEOL 380

GEOL 303A, CHEM 120B/125 and MATH 130/150A are Pre-requisites or Co-requisites for GEOL 406*

GE B.4 and B.1 or graduate standing are Pre-requisites for GEOL 410

GEOL 101, 101L; Jr or Sr standing or science credential are Pre-requisites for GEOL 420

GEOL 101L, 335 or MATH 130/150A are Pre-requisites for GEOL 436

MATH 150A/130 OR PHYS 211/225 OR 226/212 are RECOMMENDED for GEOL 456*

GEOL 335, MATH 120/125, CHEM 100/100L, ENGL 301/363 are Pre-requisites for GEOL 470

GEOL 360 and 380 are Pre-requisites for GEOL 475

GEOL 335 and 360 are Pre-requisites for GEOL 476*

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*Quantitative Elective

There are two math tracks for geology:

- **MATH 130 + MATH 338 OR MATH 150A + MATH 150B**

Once you select a math track, you cannot mix and match. For example, if you take MATH 150A, you cannot take MATH 338 as the second math class. You MUST take Math 150B as your second math class.

All MATH classes that are part of the B.S. major REQUIRE:

- a passing score on the Entry Level Mathematics exam AND
- three years of high school mathematics, including 2 years of algebra and 1 year of geometry

For MATH 130 you also need:

- a passing score on the MQE or exemption OR
- "C or better in MATH 115 or MATH 125

For MATH 150A you also need:

- a passing score on the MQE or exemption OR
- "C or better in MATH 125

If you take both MATH 115 and MATH 125:

- and receive a C or better in both, then only the last class taken earns credit.
- and receive a C or better in only 1, then that course earns credit.

MATH 115/125 or equivalent is a pre-requisite for GEOL 303A and 380