# Geology, BS

## University of Wyoming, 2015-16

### Freshman Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USP First-Year Seminar</td>
<td>3</td>
<td>C</td>
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</tr>
<tr>
<td>USP Communication 1</td>
<td>3</td>
<td>C</td>
<td>C1</td>
</tr>
<tr>
<td>CHEM 1020 General Chemistry I</td>
<td>4</td>
<td>C</td>
<td>PN; can substitute CHEM 1050 (Advanced General Chem I).</td>
</tr>
<tr>
<td>Geology Core Course ***</td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Credit hours subtotal: **14**

### Freshman Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>USP Human Culture</td>
<td>3</td>
<td>H</td>
<td></td>
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<tr>
<td>USP US &amp; Wyoming Constitutions</td>
<td>3</td>
<td>V</td>
<td></td>
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<tr>
<td>CHEM 1030 General Chemistry II</td>
<td>4</td>
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<td>Can substitute CHEM 1060 (Advanced General Chem II).</td>
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<tr>
<td>PHYS 1110 General Physics I</td>
<td>4</td>
<td>C</td>
<td>PN; can substitute PHYS 1210 (Engineering Physics I).</td>
</tr>
</tbody>
</table>

Credit hours subtotal: **14**

### Sophomore Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>USP Human Culture</td>
<td>3</td>
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<tr>
<td>GEOL 2000 Geochemical Cycles and the Earth System</td>
<td>4</td>
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<tr>
<td>GEOL 2010 Mineralogy</td>
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<tr>
<td>MATH 2200 Calculus I ****</td>
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</table>

Credit hours subtotal: **14**

### Sophomore Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>USP Communication 2</td>
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<tr>
<td>GEOL 2020 Introduction to Petrology</td>
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<tr>
<td>GEOL 2100 Stratigraphy and Sedimentation</td>
<td>4</td>
<td>C</td>
<td>Can substitute MATH 2250 (Elementary Linear Algebra) or GEOL 4525 (Environmental Data Analysis).</td>
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<tr>
<td>MATH 2205 Calculus II</td>
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<td>C</td>
<td>4525 (Environmental Data Analysis).</td>
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</table>

Credit hours subtotal: **13**

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the *University Catalog* and consult with their academic advisor to plan accordingly.

### University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

### College of Arts and Sciences requirements:

Students must take two "core" courses in addition to the USP requirements: Diversity in the United States (ASD) and Global Awareness (ASG). • No more than 60 hours in the major subject may be used toward the 120 credit hours required for graduation. • At least 30 hours in the major subject must be completed with a grade of C or better (the major may require more).

### Geology Program Notes:

This plan assumes students are calculus ready. Academic plans and course schedules will need to be altered if Math Placement scores require remediation prior to enrolling in MATH 2200. • A grade of C or better is required in all geology and allied courses. • A summer geology field course in one of the last two semesters is required. • This degree program prepares students for the examination for the professional geologist license.

* Requires MATH ACT ≥ 23, MATH SAT ≥ 600, Math Placement Exam ≥ 3, or concurrent enrollment in MATH 1400, 1405, or 1450. (University standard)

Geology Program Notes con’t on page 2.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hrs</th>
<th>Min Grade</th>
<th>Notes</th>
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<tr>
<td>A&amp;S Core Global</td>
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<td>3</td>
<td>ASG</td>
<td>GEOL 3650 (Energy for Society) is recommended.</td>
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<tr>
<td>GEOL 4610</td>
<td>Structural Geology and Tectonics</td>
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<tr>
<td>Geology Elective *****</td>
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<td>Junior Spring Semester</td>
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<tr>
<td>A&amp;S Core Diversity in the US</td>
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<tr>
<td>Upper Division Electives</td>
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<td>Summer Semester</td>
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<td>GEOL 4717</td>
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<td>GEOL 4820</td>
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<td>TOTAL CREDIT HOURS: 120</td>
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</table>

**Geology Program Notes con't:**

** Requires MATH ACT ≥ 27, MATH SAT ≥ 600, one year of high school chemistry, and concurrent enrollment in MATH 2200. (University standard)

*** Geology Core Courses: Choose from one of the following core courses:

- GEOL 1005  Earth History
- GEOL 1100  Physical Geology
- GEOL 1500  Water, Dirt, Climate

**** Requires MATH ACT ≥ 27, MATH SAT ≥ 600, Math Placement Exam ≥ 5, or ≥ C in MATH 1405 or 1450.

***** 18 credit hours of geology electives are required and these courses must be taken at the 2000-level or above.