Bachelor of Science in Geology
2023-2024

Year 1
Fall 2023
- MA 1160: Calculus W/ Tech I (4 Credits)
- PH 1100: Physics Lab I (1 Credit)
- CH 1150: Chemistry Lab I (1 Credit)
- GE 1100: Geo Sci & Eng Orientation (1 Credit)
- Critical & Creative Thinking (3 Credits)
- Social Responsibility & Ethical Reasoning (3 Credits)

Spring 2024
- MA 2160: Calculus W/ Tech II (4 Credits)
- PH 2100: Physics Lab II (1 Credit)
- CH 1161: Chemistry Lab II (1 Credit)
- GE 1100: Geo Sci & Eng Orientation (1 Credit)
- Critical & Creative Thinking (3 Credits)
- Social Responsibility & Ethical Reasoning (3 Credits)

Fall 2024
- GE 2300: Intro to Mineralogy (3 Credits)
- PH 2200: Univ. Physics II - Electromag (3 Credits)
- CH 1160: Univ. Chemistry II (3 Credits)
- UN 1015 or UN 1025 MAY BE TAKEN IN EITHER ORDER IN THE FIRST YEAR.
- Critical & Creative Thinking (3 Credits)
- Social Responsibility & Ethical Reasoning (3 Credits)

Spring 2025
- FREE ELECTIVE (3 Credits)
- GE 1200: Intro to Data Science (3 Credits)
- CH 1151: Univ. Chemistry Lab I (1 Credit)
- Critical & Creative Thinking (3 Credits)
- Social Responsibility & Ethical Reasoning (3 Credits)

Summer 2025
- FREE ELECTIVE (3 Credits)

Fall 2025
- FREE ELECTIVE (3 Credits)
- GE 3050: Structural Geology (3 Credits)
- CH 1150: Univ. Chemistry (3 Credits)
- Critical & Creative Thinking (3 Credits)
- Social Responsibility & Ethical Reasoning (3 Credits)

Spring 2026
- FREE ELECTIVE (3 Credits)
- GE 3010: Intro to Field Methods (1 Credit)
- CH 1150: Univ. Chemistry (3 Credits)
- Critical & Creative Thinking (3 Credits)
- Social Responsibility & Ethical Reasoning (3 Credits)

Summer 2026
- FREE ELECTIVE (3 Credits)

Fall 2026
- FREE ELECTIVE (3 Credits)
- GE 3250: Comp. Geosciences (3 Credits)
- MA 1160: Calculus W/ Tech I (4 Credits)
- Critical & Creative Thinking (3 Credits)
- Social Responsibility & Ethical Reasoning (3 Credits)

Spring 2027
- FREE ELECTIVE (3 Credits)

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.
**BS in Geology 2023-2024**  
(Minimum of 125 Credits)

**Geology Approved Electives (Minimum of 14 credits)**  
Geo Approved Electives can be from any GE course, but not more than 6 credits at the 2000 level. Courses outside of the department can be used with the permission of the advisor.

**Second Degree Policy:** Candidates for a second degree must meet all the coursework requirements for the major in the second degree with a minimum of 25% of the credit hours required for the degree, beyond the primary degree.

## Advanced Geophysics Electives

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Offered</th>
<th>Prerequisite(s)</th>
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</thead>
<tbody>
<tr>
<td>GE 4250 Fundamentals of Remote Sensing</td>
<td>Spring</td>
<td>PH 2200, MA 2160</td>
</tr>
<tr>
<td>GE 4530 Planetary Geology and Geophysics</td>
<td>Fall</td>
<td>GE 2000, PH 2200, MA 2160</td>
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<tr>
<td>GE 4560 Earthquake Seismology</td>
<td>Fall</td>
<td>GE 3050, PH 2100</td>
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<tr>
<td>GE 4610 Formation Eval. &amp; Petroleum Engineering</td>
<td>Fall/Spring</td>
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<tr>
<td>GE 4933 Special Topics in Geophysics*</td>
<td>On Demand</td>
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<tr>
<td>GE 4962 Ind. Geophysics Research Project**</td>
<td>On Demand</td>
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**GE 4610 Restrictions:** Permission of instructor required

**GE 4962 Restrictions:** Permission of instructor required; May not be enrolled in one of the following Classes: Freshman, Sophomore

## General Education Requirements

### I. Core Courses (6 Credits)
- UN 1015
- UN 1025
- Or one semester of a 3000 level or higher modern language.

### II. Sophomore Core Courses (6 Credits)
- Creative and Critical Thinking (HU/FA)
- Social Responsibility and Ethical Reasoning (SS)

### III. HASS Course Requirements (12 Credits)
- 6 credits 3000- or 4000- level
- 3 credits required from each of these 3 lists:
  - Communication and Composition, Humanities and Fine Arts (HU/FA)
  - and Social and Behavioral Sciences (EC/PSY/SS)
- No more than 3 credits on the Restricted HASS List

#### A. 6 credits 3000- or 4000- level:
1. __________
2. __________

#### B. 6 credits at any level:
1. __________
2. __________

### IV. Co-curricular activities (3 units)

The co-curricular requirement consists of three semester units of physical education activities. These units are required for graduation, but are not included in the overall degree-credit requirement.

Note: Most physical education activities will last for 7 ½ weeks or ½ semester. A student would need six of these ½-semester units to fulfill the 3-semester unit co-curricular requirement.

PE __________ PE __________ PE __________

PE __________ PE __________ PE __________