Bachelor of Science in Geology
2015-2016

Year 1

Fall
MA 1160/1161 CALCULUS W/ TECH I (45 CREDITS)
F, S, Su

Spring
MA 2160 CALCULUS W/ TECH II (4 CREDITS)
F, S, Su

Year 2

Fall
MA 3160 MULTIVARIABLE CALCULUS W/ TECH (4 CREDITS)
F, S, Su

Spring
PH 2200 INTRODUCTION TO PETROLOGY (3 CREDITS)
F, S, Su

Summer
MA 3160 MULTIVARIABLE CALCULUS W/ TECH (4 CREDITS)
S

Year 3

Fall
GE 3040 FOUNDATIONAL GEOPHYSICS (3 CREDITS)
S

Spring
GE 3100 DEPOSITIONAL SYSTEMS (9 CREDITS)
F

Year 4

Fall
MA 1601

Spring
EC 2400 ECON DECISION ANALYSIS (3 CREDITS)
F

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.
BS in Geology 2015-2016
(Minimum of 128 Credits)

Geology Approved Electives (Minimum of 17 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.

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**Advanced Geophysics Electives**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Offered</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE 4500 Plate Tectonics and Global Geophysics</td>
<td>Fall, Spring</td>
<td>GE 2000, PH 2200, MA 3160</td>
</tr>
<tr>
<td>GE 4530 Planetary Geology and Geophysics</td>
<td>Fall</td>
<td>GE 2000, PH 2200, MA 2160</td>
</tr>
<tr>
<td>GE 4560 Earthquake Seismology</td>
<td>Fall</td>
<td>GE 3050, PH 2100, MA 3160</td>
</tr>
<tr>
<td>GE 4600 Reflection Seismology</td>
<td>Spring</td>
<td>GE 3040</td>
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<tr>
<td>GE 4610 Formation Eval. &amp; Petroleum Engineering</td>
<td>Fall</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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</table>

* 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

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**General Education Sophomore Elective Lists**

<table>
<thead>
<tr>
<th>HU/FA Elective List</th>
<th>SBS Elective List</th>
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</thead>
<tbody>
<tr>
<td>FA 2330 Art Appreciation</td>
<td>EC 2001 Principles of Economics</td>
</tr>
<tr>
<td>FA 2520 Music Appreciation</td>
<td>PSY 2000 Principles of Psychology</td>
</tr>
<tr>
<td>FA 2820 Theater Appreciation</td>
<td>SS 2100 World Peoples and Environments</td>
</tr>
<tr>
<td>HU 2130 Introduction to Rhetoric</td>
<td>SS 2200 Prehistory and Archaeology</td>
</tr>
<tr>
<td>HU 2501 American Experience in Literature</td>
<td>SS 2400 Intro to Human Geography</td>
</tr>
<tr>
<td>HU 2538 British Experience in Literature</td>
<td>SS 2500 Intro to History: US to 1877</td>
</tr>
<tr>
<td>HU 2700 Introduction to Philosophy</td>
<td>SS 2501 Intro to History: US since 1877</td>
</tr>
<tr>
<td>HU 2820 Communication and Culture</td>
<td>SS 2502 Intro to History: Europe to 1650</td>
</tr>
<tr>
<td>HU 2910 Language and Mind</td>
<td>SS 2503 Intro to History: Europe since 1650</td>
</tr>
<tr>
<td></td>
<td>SS 2504 Intro to History: World to 1500</td>
</tr>
<tr>
<td></td>
<td>SS 2505 Intro to History: World since 1500</td>
</tr>
<tr>
<td></td>
<td>SS 2600 American Government and Politics</td>
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<tr>
<td></td>
<td>SS 2700 Introduction to Sociology</td>
</tr>
</tbody>
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**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 Electives (6 Credits)
    ___HU/FA ______________    ___SS/Behavioral ________________

III. HASS Course Requirements (12 Credits)
(http://www.mtu.edu/registrar/pdfs/HASS-Distribution-List.pdf)
   - 6 credits 3000- or 4000- level
   - No more than 3 credits on the Creative Endeavors List
   - No more than 3 credits on the Supplemental List

A. 6 credits 3000- or 4000- level:
   1. ___________________  2._____________________

B. 6 credits at any level:
   1. ___________________  2._____________________

VI. 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_________