Bachelor of Science in Applied Geophysics
2019-2020

Year 1

Fall
- MA 1160/1161 (4 CR EDITS)
  CREDITS
- PH 1100 PHYSICS LAB I (1 CR EDIT)
- CH 1150 (3 CR EDITS)
- CH 1151 CHEMISTRY LAB I (1 CR EDIT)

Spring
- MA 2160 CALCULUS II (4 CR EDITS)
- PH 2100 PHYSICS II - MECH (3 CR EDITS)
- GE 1100 GEO ENG & SCI COMPOSITION (1 CR EDIT)
- UN 1015 or UN 1025 (3 CR EDITS)

13 CREDITS

Year 2

Fall
- MA 2320 30 LINEAR ALGEBRA (2 CR EDITS)
- GE 2000 INTRO TO GEOLOGY (3 CR EDITS)
- GE 2000 INTRO TO MINERALOGY (3 CR EDITS)

Spring
- MA 2160 CALCULUS II (4 CR EDITS)
- GE 3010 FUNDAMENTALS OF GEOGRAPHY (3 CR EDITS)
- GE 3020 HUFA or Behavioral Elective (3 CR EDITS)

14 CREDITS

Year 3

Fall
- MA 3120 MULTIVAR CALCULUS w/ TECH (4 CR EDITS)
- GE 3900 INTRO PARTIAL DIFF EQU (5 CR EDITS)
- PH 2230 INTRO TO MINERALOGY (3 CR EDITS)

Spring
- MA 3510 INTRO PARTIAL DIFF EQU (3 CR EDITS)
- MA 3130 ADVANCED GEOP HYSICS ELECTIVE (3 CR EDITS)
- GE 3210 COMP. GEOGRAPHY (3 CR EDITS)

15 CREDITS

Year 4

Fall
- PH 2300 UNIV PHYSICS III - FLUIDS/ THERMO (3 CR EDITS)
- GE 4200 UNIV PHYSICS IV - MMM (4 CR EDITS)
- MA 3130 ADVANCED GEOP HYSICS ELECTIVE (3 CR EDITS)
- HASS ELECTIVE (3 CR EDITS)

Spring
- PH 2300 UNIV PHYSICS III - FLUIDS/ THERMO (2 CR EDITS)
- GE 4200 UNIV PHYSICS IV - MMM (4 CR EDITS)
- MA 3130 ADVANCED GEOP HYSICS ELECTIVE (3 CR EDITS)
- HASS ELECTIVE (3 CR EDITS)

14 CREDITS

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.
Advanced Geophysics Electives

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Offered</th>
<th>Prerequisite(s)</th>
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<tbody>
<tr>
<td>GE 4250 Fundamentals of Remote Sensing</td>
<td>Spring</td>
<td>PH 2200, MA 2160</td>
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<tr>
<td>GE 4500 Plate Tectonics and Global Geophysics</td>
<td>Fall</td>
<td>GE 2000, PH 2200, MA 3160</td>
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<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, MA 3160</td>
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<td>GE 4600 Reflection Seismology</td>
<td>Spring</td>
<td>GE 3040</td>
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<td>GE 4610 Formation Eval. &amp; Petroleum Engineering</td>
<td>Fall</td>
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<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

Note: With approval of Advisor and Department Chair, exceptions may be granted for Advanced Geophysics Elective requirements.