EARTH SCIENCE

Due to extensive course overlap, earth science majors may NOT select geology as a teaching minor.

45-Earth Science Teaching Major

Completion of the Earth Science Teaching Major involves completion of the following required courses and three or more advisor-approved elective courses to total 45 credits.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 111</td>
<td>General Chemistry I</td>
<td>3</td>
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<tr>
<td>CHEM 111L</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
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<tr>
<td>GEOG 301</td>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 313</td>
<td>Global Climate Change</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 102</td>
<td>Historical Geology</td>
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<tr>
<td>GEOL 102L</td>
<td>Historical Geology Lab</td>
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</tr>
<tr>
<td>GEOL 309</td>
<td>Ground Water Hydrology</td>
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<tr>
<td>GEOL 324</td>
<td>Principles of Stratigraphy and Sedimentation</td>
<td>4</td>
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<tr>
<td>GEOL 335</td>
<td>Geomorphology</td>
<td>3</td>
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<tr>
<td>PHYS 103</td>
<td>General Astronomy</td>
<td>3</td>
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<tr>
<td>PHYS 104</td>
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<tr>
<td>PHYS 111</td>
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<tr>
<td>PHYS 111L</td>
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Select one of the following: 4

- GEOL 101 Physical Geology and Physical Geology Lab
- GEOL 111 Physical Geology for Science Majors and Physical Geology for Science Majors Lab

Select 9 credits of Advisor Approved Science electives: 9

- GEOL 212 Principles of Paleontology
- GEOL 249 Mineralogy and Optical Mineralogy
- GEOL 290 Field Geology Methods
- GEOL 326 Igneous and Metamorphic Petrology
- GEOL 344 Earthquakes
- GEOL 345 Structural Geology
- GEOL 361 Geology and the Environment
- GEOL 410 Techniques of Groundwater Study
- GEOL 423 Principles of Geochemistry

Total Hours 45

21-22-Credit Earth Science Teaching Minor

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<tr>
<td>PHYS 104</td>
<td>Astronomy Lab</td>
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Select one of the following: 4

- GEOL 101 Physical Geology and Physical Geology Lab

Total Hours 21-22