# Geophysics Minor

## Minor Requirements (18-20 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 141</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>PHYS 201 &amp; 201L</td>
<td>General Physics I and General Physics Laboratory I</td>
<td></td>
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<tr>
<td>or PHYS 211 &amp; 211L</td>
<td>Essentials of Physics I and Essentials of Physics I Lab</td>
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</tbody>
</table>

### Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEOL 101</td>
<td>Introduction to the Earth</td>
<td></td>
</tr>
<tr>
<td>GEOL 103</td>
<td>Environment of the Earth</td>
<td></td>
</tr>
<tr>
<td>GEOL 201</td>
<td>Observing the Earth</td>
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</tr>
<tr>
<td>GEOL 302</td>
<td>Rocks and Minerals</td>
<td>4</td>
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</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEOL 345</td>
<td>Igneous and Metamorphic Processes</td>
<td></td>
</tr>
<tr>
<td>GEOL 355</td>
<td>Structural Geology and Tectonics</td>
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<tr>
<td>GEOL 531</td>
<td>Plate Tectonics</td>
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<td>GEOL 548</td>
<td>Environmental Geophysics</td>
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</tr>
<tr>
<td>GEOL 554</td>
<td>Applied Seismology</td>
<td></td>
</tr>
<tr>
<td>GEOL 555</td>
<td>Elementary Seismology</td>
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<tr>
<td>GEOL 556</td>
<td>Seismic Reflection Interpretation</td>
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<tr>
<td>GEOL 575</td>
<td>Numerical Modeling for Earth Science Applications</td>
<td>4</td>
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<tr>
<td>GEOL 582</td>
<td>Marine Hydrodynamics</td>
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</table>

**Total Credit Hours**: 18-20