GEOPHYSICS MINOR

The minor in geophysics is designed for students interested in obtaining an introduction to geophysical techniques and their application in the study of Earth's systems. The minor complements many primary areas of study, particularly in the sciences, such as data science, and fields related to public policy. The minor is ideal for students interested in expanding their quantitative skills and using them to gain an understanding of basic and applied aspects of Earth systems, including natural resources, the environment and natural hazards.

Minor Requirements (18-20 Hours)

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

Core Courses 4

Select one of the following:

- GEOL 101 Introduction to the Earth
- GEOL 103 Environment of the Earth
- GEOL 201 Observing the Earth
- GEOL 302 Rocks and Minerals 4

Select 10-12 hours from the following: 10-12

- GEOL 345 Igneous and Metamorphic Processes
- GEOL 355 Structural Geology and Tectonics
- GEOL 531 Plate Tectonics
- GEOL 548 Environmental Geophysics
- GEOL 554 Applied Seismology
- GEOL 555 Elementary Seismology
- GEOL 556 Seismic Reflection Interpretation
- GEOL 575 Numerical Modeling for Earth Science Applications
- GEOL 582 Marine Hydrodynamics

Total Credit Hours 18-20