EARTH SCIENCES: GEOLOGY (M.S.)

https://ceps.unh.edu/earth-sciences/geology-ms

Description

This option is for students seeking a broad background in geology and also for those wishing to study one area in depth. These goals are accomplished through a set of common requirements, core courses and electives for a total of at least 30 credits (34 for non-thesis option). Most students who enter this program have undergraduate degrees in geology or earth sciences. Those with other majors may have to make up selected undergraduate courses.

Requirements

Students in the thesis option must satisfactorily complete at least 30 credits, which include the credits accumulated in the core curriculum. Students in this option must complete a master’s thesis (6 credits) and give an oral presentation of the results.

Students in the non-thesis option must satisfactorily complete at least 34 credits, which includes the core curriculum, a 2-credit directed research project (ESCI 898 Directed Research), and a written and oral presentation of that research.

Geology

The core curriculum for the option in geology normally includes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select at least three of the following courses:</td>
<td>11-12</td>
<td></td>
</tr>
<tr>
<td>ESCI 826</td>
<td>Igneous and Metamorphic Petrology</td>
<td></td>
</tr>
<tr>
<td>ESCI #831</td>
<td>Geodynamics</td>
<td></td>
</tr>
<tr>
<td>ESCI 834</td>
<td>Geophysics</td>
<td></td>
</tr>
<tr>
<td>ESCI 835</td>
<td>Earthquakes and Faulting</td>
<td></td>
</tr>
<tr>
<td>ESCI 841</td>
<td>Geochemistry</td>
<td></td>
</tr>
<tr>
<td>ESCI 845</td>
<td>Isotope Geochemistry</td>
<td></td>
</tr>
<tr>
<td>ESCI 854</td>
<td>Sedimentology</td>
<td></td>
</tr>
<tr>
<td>ESCI 856</td>
<td>Geotectonics</td>
<td></td>
</tr>
<tr>
<td>ESCI 859</td>
<td>Geological Oceanography</td>
<td></td>
</tr>
<tr>
<td>ESCI 862</td>
<td>Glacial Geology</td>
<td></td>
</tr>
<tr>
<td>ESCI 866</td>
<td>Volcanology</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESCI 997</td>
<td>Seminar in Earth Sciences (first year)</td>
</tr>
<tr>
<td>ESCI 998</td>
<td>Proposal Development (first year)</td>
</tr>
</tbody>
</table>

Select Master’s Thesis or Directed Research:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESCI 899</td>
<td>Master’s Thesis</td>
</tr>
<tr>
<td>ESCI 898</td>
<td>Directed Research</td>
</tr>
</tbody>
</table>
