EARTH MATERIAL PROPERTIES MINOR

Geology (GEOL)
1115 Geology Building
301-405-4365
www.geol.umd.edu (http://www.geol.umd.edu)

Program Director: John Merck, Ph.D.

The undergraduate minor in Earth Material Properties recognizes concentrated study in this designated field in the College of Computer, Mathematical, and Natural Sciences. The award of a minor will be noted on the student's transcript at the time of graduation.

This minor may be earned by students not majoring in Geology and is administered by the Geology Undergraduate Studies Director. A grade of "C-" or better must be earned in all courses required for the minor.

See www.geol.umd.edu (http://www.geol.umd.edu) for more information.

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required</strong></td>
<td></td>
<td><strong>4</strong></td>
</tr>
<tr>
<td>GEOL100 &amp; GEOL110</td>
<td>Physical Geology and Physical Geology Laboratory</td>
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<tr>
<td>GEOL120 &amp; GEOL110</td>
<td>Environmental Geology and Physical Geology Laboratory</td>
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<tr>
<td>GEOL322</td>
<td>Mineralogy</td>
<td><strong>4</strong></td>
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<td><strong>Select three of the following:</strong></td>
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<td><strong>10-12</strong></td>
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<tr>
<td>GEOL341</td>
<td>Structural Geology</td>
<td></td>
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<tr>
<td>GEOL423</td>
<td>Optical Mineralogy</td>
<td></td>
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<tr>
<td>GEOL443</td>
<td>Petrology</td>
<td></td>
</tr>
<tr>
<td>GEOL445</td>
<td>High Temperature Geochemistry</td>
<td></td>
</tr>
<tr>
<td>GEOL456</td>
<td>Engineering Geochemistry</td>
<td></td>
</tr>
<tr>
<td>or GEOL457</td>
<td>Seismology</td>
<td></td>
</tr>
<tr>
<td>GEOL499</td>
<td>Special Problems in Geology</td>
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</tbody>
</table>

**Total Credits** 18-20