# EARTH SCIENCE MAJOR, B.S. – 2020-2021
## Geohydrology Emphasis

An initial consultation with a departmental advisor is essential before embarking on the Earth Science major.

To be admitted to full major status, students must complete the 5 designated courses from the pre-Earth Science major with a 2.3 or higher grade-point average.

### Preparation for the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth 2</td>
<td>4</td>
</tr>
<tr>
<td>Earth 3 or 4 (Note: Earth 3 required for 122)</td>
<td>4</td>
</tr>
<tr>
<td>Earth 18</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry 1A-AL, 1B-BL, 1C-CL</td>
<td>15</td>
</tr>
<tr>
<td>Math 3A-B (or 2A-B) and 4A-B</td>
<td>16-18</td>
</tr>
<tr>
<td>Physics 1, 2, 3, 4 or Physics 6A-AL, 6B-BL, 6C-CL</td>
<td>12-14</td>
</tr>
</tbody>
</table>

Recommended: Math 6 series, computer programming (i.e. Engineering 3), statistics.

### Upper-Division Major

54 UD units are required, distributed as follows:

<table>
<thead>
<tr>
<th>Section</th>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>Earth 104A</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Earth 105</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Earth 114</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Earth 134</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Earth 160 (2 units)</td>
<td>2</td>
</tr>
<tr>
<td>B.</td>
<td>Earth 103 or 122</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Earth 113, 117, or Environmental Studies 144 (or Geography 144)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Earth 168 or 169</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Earth 173 (or Geography 116)</td>
<td>5</td>
</tr>
<tr>
<td>C.</td>
<td>17-18 units from the list to bring Upper Division total to 54 units:</td>
<td>17-18</td>
</tr>
</tbody>
</table>

*Note: courses can only be applied to area C if not used in area B.

## Major Regulations

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites</td>
<td>Check the General Catalog for the prerequisites to all listed courses.</td>
</tr>
<tr>
<td>P/NP Grading Option</td>
<td>Not allowed for any major course (Prep or UD major), including courses applied to the major from other departments, except for Earth 18 and up to 3 units of Earth Science 160.</td>
</tr>
<tr>
<td>Substitutions</td>
<td>In the major requirements permissible only by petition to the department chair and dean.</td>
</tr>
<tr>
<td>Residence Requirements</td>
<td>At least 20 UD units in major while in residence at UCSB.</td>
</tr>
<tr>
<td>G.P.A. Requirements</td>
<td>At least 2.0 overall UC average in all upper-division major courses and all courses (Prep and UD) for the major.</td>
</tr>
<tr>
<td>Double Majors</td>
<td>With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors</td>
</tr>
</tbody>
</table>