EARTH SCIENCE MAJOR, B.S. – 2019-2020
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>
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<tr>
<td>Physics 1, 2, 3, 4 or Physics 6A-AL, 6B-BL, 6C-CL</td>
<td>12-14</td>
</tr>
</tbody>
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Recommended: Math 6 series, computer programming (i.e. Engineering 3), statistics.

UPPER-DIVISION MAJOR

54 UD units are required, distributed as follows:

A. Earth 104A ......................................................... 4
   Earth 105 .......................................................... 4
   Earth 114 .......................................................... 4
   Earth 134 .......................................................... 4
   Earth 160 (2 units) ............................................. 2
B. Earth 103 or 122 .............................................. 5
   Earth 113, 117, or Environmental Studies 144 (or Geography 144) .................................................. 4
   Earth 168 or 169 ............................................... 4
   Earth 173 (or Geography 116) ............................. 5
C. 17-18 units from the list to bring Upper Division total to 54 units: ............................... 17-18
   Earth 100, 103*, 104B, 106, 108, 111, 113*, 115, 117*, 118 or 119, 122*, 124AA-ZZ, 125, 126, 130, 164B, 168*, 169*, 176, 192, 196HA-HB-HC, 197H, 199; Environmental Studies 114A or 114B (or Geography 114A or 114B), 134, 144* (or Geography 144*); Geography 112, 134, 162, 176B

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

MAJOR REGULATIONS

PREREQUISITES .............................................. Check the General Catalog for the prerequisites to all listed courses.
P/NP GRADING OPTION ............................... 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.
SUBSTITUTIONS ........................................... In the major requirements permissible only by petition to the department chair and dean.
RESIDENCE REQUIREMENTS ...................... At least 20 UD units in major while in residence at UCSB.
G.P.A. REQUIREMENTS .............................. At least 2.0 overall UC average in all upper-division major courses and all courses (Prep and UD) for the major.
DOUBLE MAJORS ....................................... With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors