EARTH SCIENCE MAJOR, B.S. – 2019-2020
Geology 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 and 3</td>
<td>8</td>
</tr>
<tr>
<td>Earth 18</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry 1A-AL, 1B-BL, 1C-CL</td>
<td>15</td>
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<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>
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</tbody>
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UPPER-DIVISION MAJOR

52-54 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 ................................................................. 5
   Earth 104B ............................................................... 4
   Earth 115 ................................................................. 4
   Earth 118 ................................................................. 8
   Earth 122 ................................................................. 5
   Earth 102A (5 units) or Earth 185 (4 units) .................. 4-5
   Earth 102C (5 units) or Earth 177 (4 units) .................. 4-5

Recommended Electives: Earth 100, 111, 117 or 137, 123 or 159, 124AA-ZZ, 126, 157 or 186, 158, 176.

Preparation for Engineering Earth Science:
Students interested in careers or graduate study in Engineering Earth Science are recommended to take Earth 113, 117 or 137, 168 or 173 (or Geography 116) in their upper-division electives. Also recommended: Earth 124AA-ZZ, 169; Environmental Studies 144; Geography 176A, 176B

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 approval of each department, up to 8 units may be applied simultaneously to both UD majors.