EARTH SCIENCE DEPARTMENT
1006 WEBB HALL—PHONE: 893-4831
http://www.geol.ucsb.edu
College of Letters and Science
University of California, Santa Barbara

EARTH SCIENCE MAJOR, B.S. – 2016-2017
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>
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</thead>
<tbody>
<tr>
<td>Earth 2 and 3</td>
<td>8</td>
</tr>
<tr>
<td>Earth 18</td>
<td>1</td>
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<tr>
<td>Chemistry 1A-AL, 1B-BL, 1C-CL</td>
<td>15</td>
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<tr>
<td>Math 3A, 3B, 4A-B</td>
<td>16</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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**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.

**Concentration in Engineering Earth Science:**
Students desiring this concentration must take these courses: 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 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, including courses in excess of minimum requirements.

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