

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

NAME \_\_\_\_\_  
 Date \_\_\_\_\_ Perm # \_\_\_\_\_

**EARTH SCIENCE MAJOR, B.S. – 2016-2017**  
**Climate & Environment 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**

**UNITS YET TO COMPLETE**

Earth 2 .....	4
Earth 3 or 4 .....	4
Earth 18 .....	1
Chemistry 1A-AL, 1B-BL, 1C-CL .....	15
Math 3A-B, 4A-B .....	16
Physics 1, 2, 3, 4 or Physics 6A-AL, 6B-BL, 6C-CL .....	12-14

Recommended: Math 6A-B, PSTAT 5A, Engineering 3, Writing 109ST.

**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 124I, or 124IG, or 126, or both 124G and 124T .....	4
Earth 130 .....	4
Earth 164B .....	4

A minimum of 6 units of Senior Research Experience from the following list\*

Earth 118, 119, 182A, 182B, 195H, 196HA, 196HB, 196HC, 199 .....	6-8
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\*this requirement can also be met with an approved non-UCSB research or field experience

C. 16-18 units from the list to bring the total to 54 units: .....	16-18
Earth 100, 102A, 102C, 103, 104B, 106, 111, 115, 122, 123, 124AA-ZZ, 126, 137, 157, 159, 168, 169, 176	
Geography 104, 110, 115A-B-C, 116, 133, 163, 165	
Chemistry 113A or other UCSB course approved through petition	

**MAJOR REGULATIONS**

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