

**EARTH SCIENCE DEPARTMENT**  
**1006 WEBB HALL—PHONE: 805-893-4831**  
<http://www.geol.ucsb.edu>  
 College of Letters and Science  
 University of California, Santa Barbara

NAME \_\_\_\_\_

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

**Note: See Major Progress Check on GOLD  
 for full list of all degree requirements.**

**EARTH SCIENCE MAJOR, B.S. – 2022-2023**  
**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.

<b><u>PREPARATION FOR THE MAJOR</u></b>	<b><u>UNITS TO COMPLETE</u></b>
Earth 2 .....	4 _____
Earth 3 or 4 .....	4 _____
Earth 18 .....	1 _____
Chemistry 1A-AL, 1B-BL, 1C-CL .....	15 _____
Math 3A-B (or 2A-B) and 4A-B .....	16-18 _____
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 or Earth 104G..... 4 \_\_\_\_\_
- Earth 105 .....
- Earth 114 .....
- Earth 134..... 4 \_\_\_\_\_
- Earth 160 (2 units)..... 2 \_\_\_\_\_

- B. Earth 124I, or 124IG..... 4 \_\_\_\_\_
- Earth 130 .....
- Earth 106 or 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 \_\_\_\_\_

\*This requirement can also be met with approved research or field experience from other institutions or UCSB departments

- 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, 173 (or Geography 116), 176; Geography 104, 110, 115A-B-C, 133, 163, 165; Chemistry 113A or other UCSB course approved through petition

**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.
- 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