

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. – 2021-2022
GEOPHYSICS 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 TO COMPLETE

Math 3A-B (or 2A-B) and 4A-B and 6A-B	24-26	_____
Chemistry 1A-1AL-1B-1BL or 2 series	10	_____
Earth 2 and one course from Earth 3, 4, 9, 11, or 20	8	_____
Physics 1-2-3-3L-4-4L-5-5L (or Physics 21-22-23-3L-24-4L-25-5L)	20	_____
Earth 175 or Computer Science 8 or 16.....	4	_____

Recommended: Writing 109ST

UPPER-DIVISION MAJOR

48 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. Two courses from Earth 131, 133, 135	8-9	_____
One course from Earth 100, 103, 113, 123, 131, 133, 135, 157, or 159.....	4-5	_____
Earth 136	5	_____
4 units of upper division of electives in Earth Science.....	4	_____
C. Additional upper-division courses in Earth Science, Math, Physics, or Engineering to bring the total units in the major to 48, with at least one course outside of the Earth Science department. Recommended courses are: Math 104A-B, 122A-B, 124A-B, 144A-B; Physics 101, 102, 103, 104, 110A-B; ECE 130A-B; Earth 160, Earth 199RA, as well as recommended Earth electives below and additional courses from Section B	7-9	_____

Recommended Electives: Statistics, advanced math, Earth 18 (not applicable towards UD major), 100, 102A, 102C, 103, 104B, 113, 122, 123, 124AA-ZZ, 126, 157, 173 (or Geography 116), 176, 199RA; Geography 176A-B

Preparation for Earth and Planetary Science: Students interested in careers or graduate study in Earth and Planetary Science are recommended to take Earth 123, 159 and Geography 110.

MAJOR REGULATIONS

PREREQUISITES	Check the <i>General Catalog</i> for the prerequisites to all listed courses.
P/NP GRADING OPTION	Not allowed for any major courses (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.
DOUBLE MAJORS	With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.