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.—2020-2021
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 YET TO COMPLETE

Math 3A-B (or 2A-B) and 4A-B and 6A-B ......................................................... 24-26
Chemistry 1A-1AL-1B-1BL-1C-1CL or 2 series .............................................. 15
Earth 2 and one of either Earth 3 or Earth 4 ..................................................... 8
Physics 1-2-3L-4-4L-5-5L (or Physics 21-22-23L-24L-25-5L) .......................... 20
One course from Computer Science 8 or 16 ................................................... 4
Recommended: Writing 109ST

UPPER-DIVISION MAJOR

47-48 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 100, 103, 123, 131, 157 ..................................... 8 or 9
   Earth 133 or 135 ...................................................................................... 4
   Earth 136 ..................................................................................................... 4
   4 units of upper division of electives in Earth Science ............................... 5

C. 8 Units of Upper Division courses from Math, Physics or Engineering:
   Recommended courses are:
   Math 104A-B, 122A-B, 124A-B, 144A-B; Physics 101, 102, 103, 104, 110A-B; ECE 130A-B .......... 8

Recommended Electives: Statistics, advanced math, Earth 18, 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 General Catalog 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.