

**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**  
**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 and 4A-B and 6A-B .....	24
Chemistry 1A-1AL-1B-1BL-1C-1CL or 2 series .....	15
Earth 2 and one of either Earth 3 or Earth 4.....	8
Physics 1-2-3-3L-4-4L-5-5L (or Physics 21-22-23-3L-24-4L-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, 157 .....	8 or 9
	Earth 135 .....	4
	Earth 136 .....	5
	4 units of upper division of electives in Earth Science .....	4
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, 176, 199RA; Geography 176A-B

**Concentration in Earth and Planetary Science:** Students desiring this concentration must 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, including courses in excess of minimum requirements.  
**DOUBLE MAJORS** .....With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.