EARTH SCIENCE MAJOR, B.S. – 2012-2013

Geophysics Emphasis

An initial consultation with a departmental advisor is essential before embarking on the Earth Science major.

PREPARATION FOR THE MAJOR

(A grade of C- or better is required in all courses in the major preparation.)

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
   Two units of Earth 160 ......................................................................... 2

B. One course from Earth 100, 103, 123 ................................................... 4 or 5
   Earth 135 ........................................................................................... 4
   Earth 136 ........................................................................................... 4
   Earth 157 ........................................................................................... 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, 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 major courses (prep or UD major), including courses applied to the major from other departments.
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.