GEOLOGICAL SCIENCES MAJOR, B.S. – 2002-2003
Earth Systems Emphasis

An initial consultation with a departmental advisor is essential before embarking on the Geological Sciences major.

PREPARATION FOR THE MAJOR

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

Math 3A-B-C .................................................................................................................... 12______
Math 5A-B or the following: MCDB 1A-1AL –1B, EEMB 2, and either
   MCDB 1BL or EEMB 2L ............................................................................................ 8-11______
Chemistry 1A-AL-B-BL-C-CL (or 2 series) ........................................................................................ 12______
Physics 1-2-3-4 or Physics 6A-B-C plus Geology 100 .......................................................... 13-14______
Geology 2 .................................................................................................................................. 4______
One course from: Geology 3, 4, 4S ............................................................................................. 4______
Geology 14 .................................................................................................................................. 3______

RECOMMENDED: Geology 18; computer programming; statistics

UPPER-DIVISION MAJOR:

53 UD units are required, distributed as follows:

Geology 103, 104A, 122 ............................................................................................................. 12______
Four units from Geology 124AA-ZZ .......................................................................................... 4______
Geology 164A-B-C .................................................................................................................. 12______
Senior Research Experience (chosen from the following list) ....................................................... 4-12___
   Geology 118, 133, 182, 181, 191
Two units of Geology 160 ........................................................................................................... 2______
Upper-Division Electives: .......................................................................................................... 11-19______
   11-19 units from the following list, chosen with an advisor.
   Geology 102A-B-C, 104B, 111, 117, 123, 134, 157, 161, 165, 168, 169, 170, 198/199;
   Chemistry 113A (physical chemistry); Geography 104 (oceans), 110 (meteorology),
   115A-B (remote sensing), 116 (ground water hydrology).

In addition, every student must be certified for Technical Writing Competence, which is usually done in
Geology 104A; see department. Writing 109ST is highly recommended.

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 required Geology 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 average in a) all UD major courses; and b) all major courses (Prep and UD) while
   in UC.
DOUBLE MAJORS ...................................... With the approval of each department chairperson, up to a total of 8 units may be applied
   simultaneously to both UD majors.

5/31/02