GEOLOGICAL SCIENCES MAJOR, B.S. – 2005-2006

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 and either Math 5A or PSTAT 5AA-ZZ ................................................................. 16-17
Chemistry 1A-AL-BL-C-CL (or 2 series) .................................................................................. 12
Physics 1-2-3-4 (or Physics 6A-B-C plus Geology 100 or 134, allowed by department
approval only) .......................................................................................................................... 13-14
Geology 2, 3, 14, 15 ...................................................................................................................... 13

RECOMMENDED: Math 5B-C, PSTAT 5A, Geology 18 (fall and spring field trips), and a course
in computer programming.

UPPER-DIVISION MAJOR:

54 UD units are required, distributed as follows:

8 units from Geology 102A-AL, 102B-BL, 102C-CL ...................................................................... 8
Geology 103 .................................................................................................................................... 4
Geology 104A and 104B .................................................................................................................. 8
Geology 118 ..................................................................................................................................... 12
Two units of Geology 160 ................................................................................................................ 2
Upper-Division Electives: .................................................................................................................. 20

20 upper division Geology units including at least 3 courses chosen from:
Geology 100 (if not used in preparation, above), 111, 117, 122, two units from 124AA-ZZ,
157, 173; Geography 176B

Note: Geology 100 and 134 will not apply if used in preparation, above.
Up to 12 UD units from other science departments may be accepted by petition.

Concentration in Engineering Geology and Hydrogeology: Students desiring this concentration must
include Geology 100 (if not used in preparation, above), 113, 117, 168 and Geology 173 (or Geography 116)
in their 20 units of upper-division electives.
Also recommended: Geology 124AA-ZZ, 169; Environmental Studies 144; Geography 176B

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 up to 3 units of 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 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.