GEOLOGICAL SCIENCES MAJOR, B.S. – 2006-2007

PALEOBIOLOGY EMPHASIS

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

PREPARATION FOR THE MAJOR

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

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
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</thead>
<tbody>
<tr>
<td>Math 3A-B or 34A-B</td>
<td>8</td>
</tr>
<tr>
<td>One course from: EEMB 30, PSTAT 5A, Psychology 5</td>
<td>4-5</td>
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<tr>
<td>Chemistry 1A-AL-B-BL-C-CL</td>
<td>12</td>
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<tr>
<td>Physics 6A-AL-B-BL-C-CL</td>
<td>12</td>
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<tr>
<td>MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L</td>
<td>15</td>
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<td>Geology 2, 3, and 14 or 114</td>
<td>11-12</td>
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Recommended: Geology 18

UPPER-DIVISION MAJOR:

At least 53 UD units are required, distributed as follows:

A. Geology 104A-B, 111-111L                                          | 13    |
B. Geology 118 or 119, or other field course by petition          | 6-12  |
C. EEMB 120 (Ecology)                                              | 4     |
D. Geology 121 or EEMB 131 (Evolution)                            | 4     |
E. Two courses from the following:
   - Geology 141 (Plant paleobiology)                               | 8     |
   - Geology 144 (Invertebrate paleobiology)                        |       |
   - Geology 148 (Vertebrate paleontology)                          |       |
   - Geology 149 (Mammalia Evolution)                               |       |
   - Geology 159C (Early Evolution of Life)                          |       |
F. Three additional courses normally chosen from the following list, in consultation with an advisor.
   One course must be in Geology                                    | 8-14  |
   Anthropology 105 (Human variation), 153T (Primate behavioral ecology), 180A-B (Faunal analysis), 121 (Human Evolution)
   EEMB 102 (Macroevolution), 103A-B (California flora), 105 (Phylogenetics), 106 (Biology of Fishes),
   107 (Amphibians and reptiles), 108 (Vertebrate evolutionary morphology), 112 (Invertebrate zoology),
   113 (Evolution and Ecology of Terrestrial Vertebrates), 115 (Plant anatomy), 116 (Higher invertebrates),
   134 (Phyology), 140 (Plant ecology), 147 (Coral reefs)
   Geography 167 (Biogeography), 170 (Vegetation analysis)
   Geology 102B, 108, 122, 130, 156, 157, 159B, 164B-C, 190 or additional courses from Area E, above
G. Two units of Geology 160.                                        | 2     |
H. Additional upper-division geology electives to bring unit total to 53| 0-4   |

Note: Students are encouraged to consider a senior research project in paleobiology (Geology 199).

In addition, every student must be certified for Technical Writing Competence, which is usually done in Geology 104A; see department. Geology 103 and Writing 109ST are highly recommended.

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, except for 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, 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.