**GEOPHYSICS MAJOR, B.S. – 2002-2003**

An initial consultation with a departmental advisor is essential before embarking on the Geophysics 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 Description</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 3A-B-C and 5A-B-C</td>
<td>24</td>
</tr>
<tr>
<td>Chemistry 1A-AL-1B-BL-1C-CL or 2 series</td>
<td>12</td>
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<tr>
<td>Geology 2 and 3 and 14</td>
<td>11</td>
</tr>
<tr>
<td>Physics 1-2-3-3L-4-4L-5-5L (or Physics 21-22-23-3L-4L-25-5L)</td>
<td>20</td>
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<tr>
<td>One course from Computer Science 5AA-ZZ or 10</td>
<td>4</td>
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</tbody>
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### UPPER-DIVISION MAJOR

At least 44 UD units are required, distributed as follows:

A. A minimum of 35 units in Geology required including:

   - Geology 135 (Geophysics), 157 (Plate Tectonics) ........................................ 8
   - Geology 104A (Field Geology) ........................................................................... 4
   - Geology 136 ........................................................................................................ 5
   - Two courses from Geology 100, 103, 123, 133, 139 ........................................ 8
   - Additional upper-division Geology units to bring the total to 32 units .......... 8
     (Note: Geology 101, 110, 116SS will NOT apply).
   - Two units of Geology 160 .................................................................................. 2

B. One sequence and an additional course (total: 3 courses) from:

   - ECE 130A-B ................................................................................................. 9-12

**Recommended Electives:** Statistics, advanced math, Geology 14, 18, 104B, 102A-B-C,
113, 124AA-ZZ, 173-173L, 199RA and Geography 176A-B

**Note:** In addition, every student must be certified for technical writing competence. This 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 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.

9/18/2002