GEOPHYSICS MAJOR, B.S. – 2004-2005

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>Courses</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Math 3A-B-C and 5A-B-C</td>
<td>24</td>
</tr>
<tr>
<td>Chemistry 1A-1AL-1B-1BL-1C-1CL 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-4L-4L-5-5L (or Physics 21-22-23-3L-24-4L-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 as follows:
   - Geology 135 (Geophysics), 157 (Plate Tectonics)                      | 8     |
   - Geology 104A (Field Geology)                                        | 4     |
   - Geology 136                                                          | 5     |
   - Two courses from Geology 100, 103, 123, 134                           | 8     |
   - Two units of Geology 160                                              | 2     |
   - Additional upper-division Geology units to bring the total to 35 units | 8     |

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, 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 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 UD 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.