An initial consultation with a departmental advisor is essential before embarking on the Geological Sciences major. Consultation with the Teacher Education Program Pre-Professional Office is also strongly advised.

PREPARATION FOR THE MAJOR
(A grade of C- or better is required in all courses in the major preparation)

**UNITS YET TO COMPLETE**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L</td>
<td>15_____</td>
</tr>
<tr>
<td>Math 3A-B-C or Math 34A-B plus PSTAT 5A</td>
<td>12-13____</td>
</tr>
<tr>
<td>Chemistry 1A-1BL-1C-CL (or 2 series)</td>
<td>12_____</td>
</tr>
<tr>
<td>Geology 2, 3, and either 4 or 4S</td>
<td>12_____</td>
</tr>
<tr>
<td>Geology 14</td>
<td>3____</td>
</tr>
<tr>
<td>Physics 6A-B-BL-C-CL</td>
<td>12_____</td>
</tr>
</tbody>
</table>

Recommended: Geology 18 (Fall and Spring field trips); PSTAT 5A; and a course in computer programming.

UPPER-DIVISION MAJOR:

42 UD units are required, distributed as follows:

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Six units from Geology 102A-B-C</td>
<td>6____</td>
</tr>
<tr>
<td>Geology 103, 104A, 123, 170</td>
<td>16_____</td>
</tr>
<tr>
<td>Geography 110</td>
<td>4____</td>
</tr>
<tr>
<td>Two units of Geology 160</td>
<td>2____</td>
</tr>
<tr>
<td>14 units of upper-division units in Geology, Environmental Studies or Geography, including at least 3 courses from: Geology 100, 104B, 109, 111, 113, 157, 164A-B-C; Geography 116, 176A-B</td>
<td>14_____</td>
</tr>
</tbody>
</table>

Highly Recommended courses: Geology 187; Geography 104, 112, 130, 162

In addition, students must be certified for competence in technical writing. Certification may be achieved by doing acceptable writing in Geology 104A, by writing acceptable term papers in other geoscience courses, or by completing a technical writing course with a C- grade or better.

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 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.

2/21/2003