To be admitted to full major status, students must fulfill the pre-biology course and grade-point average requirements as described in the General Catalog. At minimum, they must complete twelve designated courses from the Preparation for the Major with a 2.0 or higher UC grade-point average.

Note: Hyphens indicate an entire sequence must be completed as shown to fulfill an area requirement. A single course can satisfy only one requirement.

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-B-BL-C-CL (or 2 series)</td>
<td>12</td>
</tr>
<tr>
<td>MCD B 1A-1AL-1B, EEMB 2-3-L, and either MCD B 1BL or EEMB 2L</td>
<td>15</td>
</tr>
<tr>
<td>(Transfer students must consult the advisor regarding selected topics to be covered in Z courses.)</td>
<td></td>
</tr>
<tr>
<td>Chemistry 6A-B and 109A-B</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics 3A-B or 34A-B</td>
<td>8</td>
</tr>
<tr>
<td>One of the following: PSTAT 5A or EEMB 30 or Math 3C</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Physics 6A-AL-B-BL-C-CL</td>
<td>12</td>
</tr>
</tbody>
</table>

### UPPER-DIVISION MAJOR

48 UD units required, distributed as follows................................................. 48

A. Genetics: One course sequence from: MCDB 101A-B (MCDB concentration) or EEMB 129-130 (EEMB concentration).........................................................

B. One course or course sequence from each of the following. Note: Courses with an asterisk (*) are listed in more than one area but they may be applied to only one area:

1. Physiology: MCDB 111, 114*, 117, 126A, 132; EEMB 141, 143, 151, 154, 155, 156 ..........................................................


5. Evolution: EEMB 102, 108, 109 (or Geology 148), 113-113L*, 131, (or Geology 121), 135, 136-136L (or Geology 111-111L), 137 (or Geology 141), 139* ..............................................................


7. Laboratory: Either one of the underlined courses from sections 1-6 above or one of the following:
   MCDB 101L, 103L, 109L, 112L, 126AL, 126BL, 131L, 132L, 133L, 140L;
   EEMB 107L, 120AL-BL, 140L, 143L, 148L, 164L, 164S, 165, 170 ..........................................................

C. Electives: Additional upper-division courses in EEMB and MCDB to bring the total to 48 units...........................................................

Note: The following courses do not count toward upper-division major credit: EEMB 183, 184; MCDB 121, 182, 183, 184. In addition, no more than 8 units of the following courses combined will apply to the major: EEMB 185-199; MCDB 185-199.

### 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), including courses applied to the major from other departments, except up to 8 units of courses that do not allow letter grades.

**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.