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 that an entire sequence must be completed as shown to fulfill an area requirement.

**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-B-BL-C-CL (or 2 series) .......................................................... 15</td>
</tr>
<tr>
<td>MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L ............................ 15</td>
</tr>
<tr>
<td>Chemistry 6AL, 6BL (or 6BH) and 109A-B-C ......................................................... 18</td>
</tr>
<tr>
<td>Mathematics 3A-B or 34A-B .................................................................................. 8</td>
</tr>
<tr>
<td>One of the following: PStat 5A or EEMB 30 (Math 3C acceptable but not recommended) .......... 4 or 5</td>
</tr>
<tr>
<td>Physics 6A-AL-B-BL-C-CL .................................................................................. 12</td>
</tr>
</tbody>
</table>

**UPPER-DIVISION MAJOR**

48 UD units are required, distributed as follows:

A. Three courses or course combinations from Regulatory Biology:
   EEMB 143-143L, 154, 156, 157, 165, 175 .................................................................

B. Genetics: EEMB 129 ............................................................................................

C. Cell Biology: MCDB 103 ....................................................................................

D. Biochemistry: MCDB 108A-B or Chemistry 142A-B .........................................

E. One course from Structure/Function: EEMB 108, 112, 116, 131 (or Geology 121) ....

F. Two laboratory courses from among those underlined in areas A, E, and G. ...........

G. Electives: Additional UD courses offered in EEMB and MCDB or from Areas A and E above to bring the total UD units in the major to 48. The following courses are recommended:
   EEMB 134, 141, 151, 164-164L; MCDB 151 ......................................................

Note: The following courses do not count toward upper-division major credit: EEMB 182, 183, 184 (except by petition); MCDB 121, 182, 183, 184, 194MD. In addition, no more than 8 units of the following courses combined will apply: EEMB 185-199; MCDB 185-199. Finally, a minimum of 32 units must be completed through courses within the EEMB Department.

A maximum of 8 units of psychology courses can be applied. Instructor approval is required for admission into upper-division psychology courses numbered over 109.

**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 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.