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 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>Course Description</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-B-C plus 1AL or 1AC, 1BL or 1BC, 1CL or 1CC (or 2 series)</td>
<td>12</td>
</tr>
<tr>
<td>MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 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-C</td>
<td>16</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 (Math 3C acceptable but not recommended)</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 are required, distributed as follows: ..............................................................48

**Note:** The following courses do not count toward upper-division major credit: EEMB 183, 184 (except by petition); MCDB 121, 182, 183, 184. 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.

A. One course or course combination from Regulatory Biology:
   - EEMB 143-143L, 154, 155, 156, 160; MCDB 117; Psychology 113, 137

B. Genetics: EEMB 129

C. Cell Biology: MCDB 103

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


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 114

### 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 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.