
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.

PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course/Sequence</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-BL-C-CL (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</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics 3A-B or 34A-B</td>
<td>8</td>
</tr>
<tr>
<td>One of the following: Math 3C or EEMB 30 or PSTAT 5A</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Physics 6A-AL-BL</td>
<td>8</td>
</tr>
</tbody>
</table>

UPPER-DIVISION MAJOR

36 UD units: ................................................................. 36

One course or course sequence is required in each of the areas below (A through F)

Note: Hyphens indicate that an entire sequence must be completed as shown to fulfill an area requirement.

EEMB 113-113L may be applied to either area D or area E, but not to both areas simultaneously.
Similarly, MCDB 114 may be applied to either area B or area C, but not to both areas simultaneously.

A. Genetics: one course from: MCDB 101A or EEMB 129 (in addition, MCDB 101B is strongly recommended) .................................................................
B. Physiology: one course from: MCDB 111, 114; EEMB 141, 143, 154, 156, 175 .................................................................
C. Developmental and Cell Biology or Biochemistry and Molecular Biology: one course from: MCDB 103, 108A, 110, 112, 114, 115, 118, 133, 134, 135; EEMB 164 .................................................................
D. Ecology or Evolution: one course from: EEMB 102, 108, 109 (or Geology 148), 113-113L, 120, 131 (or Geology 121), 135, 136-136L (or Geology 111-111L), 137 (or Geology 141), 138, 139, 140, 142A, 166, 171 (or Env S 171), 173 .................................................................
E. Diversity of Form and Function: one course from: EEMB 106, 107, 111, 112, 113-113L, 116, 134; MCDB 131, 139 .................................................................
F. Electives: Additional UD courses offered in EEMB and MCDB to bring the total to 36 units .................................................................

Note: The following courses do not count toward upper-division major credit:
EEMB 182, 183, 184; MCDB 121, 182, 183, 184.

In addition, no more than 4 units of the following courses combined will apply:
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 4 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.