BIOLOGICAL SCIENCES MAJOR, B.A. – 2008-2009

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</th>
<th>UNITS YET TO COMPLETE</th>
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<tbody>
<tr>
<td>Chemistry 1A-AL-B-BL-C-CL (or 2 series)</td>
<td>15</td>
</tr>
<tr>
<td>MCDB 1A-1AL-1BL, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L</td>
<td>15</td>
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<td>(Transfer students must consult the advisor regarding selected topics to be covered in Z courses)</td>
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<tr>
<td>Chemistry 6AL, 6BL (or 6BH) and 109A-B</td>
<td>14</td>
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<tr>
<td>Mathematics 3A-B or 34A-B</td>
<td>8</td>
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<tr>
<td>One of the following: Math 3C or EEMB 30 or PSTAT 5A</td>
<td>4 or 5</td>
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<tr>
<td>Physics 6A-AL-B-BL</td>
<td>8</td>
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**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 151 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, 151; EEMB 141, 143, 154, 156, 175

C. Developmental and Cell Biology or Biochemistry and Molecular Biology: one course from:
   MCDB 103, 108A, 110, 112, 118, 133, 134, 135, 151, 152, 153; EEMB 164

D. Ecology or Evolution: one course from: EEMB 102, 108, 109 (or Geology 148), 113-113L,
   120, 131 (or Geology 121), 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,
   127, 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, 194MD.

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.