ECOLOGY & EVOLUTION MAJOR, B.S. – 2004-2005

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 average 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>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>
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<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>
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<tr>
<td>Physics 6A-AL-B-BL-C-CL</td>
<td>12</td>
</tr>
</tbody>
</table>

Note: Organic Chemistry may be required by some graduate or professional schools. Consult with an advisor.

### Upper-Division Major

48 upper-division units are required distributed as follows: 48

#### Note: Courses with an asterisk (*) are listed in more than one area, but they may be applied to only one area.

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

B. Ecology: EEMB 120

C. Evolution: EEMB 131 (or Geology 121)

D. One course from D1 or D2:
   1. Ecology concentration: EEMB 125, 140, 152 (or Env S 152), 171 (or Env S 171), 173,179
   2. Evolution concentration: EEMB 102,130*, 132-132L, 135, 139

E. Physiology: One course from: EEMB 124, 141, 143, 154, 155, 156, 165; MCDB 111, 117

F. Animal diversity and systematics: One course from: EEMB 106, 107, 108, 109 (or Geology 148), 111, 112, 113-113L, 116, 133 (or Env S 133)*, 136-136L (or Geology 111-111L)

G. Plant diversity: One course from: EEMB 103A, 114, 115, 127, 133 (or Env S 133)*, 137 (or Geology 141); Geography 167, 170*; MCDB 137

H. Physical environment: One course from: EEMB 142B; Geography 104, 110, 112, 114A-AL (or Env S 114A-AL), 162A-AL, (or Env S 162A-AL), 170*, Geology 164A

I. A minimum of two lab courses from underlined courses or from the following: EEMB 107L, 120AL-BL (counts as two), 127L, 135L, 140L, 143L, 142AL, 142BL, 142CL, 144L, 170

J. Electives: Additional UD courses offered in EEMB or MCDB or Geography 149, or from Areas F, G, or H above to bring the total UD units in the major to 48. Recommended ecology courses: EEMB 144, 146, 147, 148-148L, 152 (or Env S 152) 159, 171, 178, 179. Recommended evolution courses: EEMB 110, 134, 138, 139, 146, 160, 161, 163.

Note: The following courses do not count toward upper-division major credit: EEMB 183, 184 (except by petition); MCDB 121, 122, 123, 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.

### 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 department, except up to 8 units of courses that do not allow letter grades.

#### 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 upper-division majors.

9/29/2004