ECOLOGY & EVOLUTION MAJOR, B.S. – 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.

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>Units Yet to Complete</th>
<th>Preparatory Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-B-BL-C-CL (or 2 series)</td>
<td>15</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>
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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 119* (or Env S 119*), 125, 128 (or Env S 128) 140*, 152 (or Env S 152), 166*, 171* (or Env S 171*), 173, 179
      2. Evolution concentration: EEMB 102, 130*, 132-132L, 139
   E. Physiology: One course from: EEMB 124, 141, 143, 154, 156, 157, 165, 175; MCDB 111
   G. Plant diversity: One course from: EEMB 119* (or Env S 119*), 127, 134, 137 (or Geology 141), 140*, 166*, 171* (or Env S 171*); Geography 167
   H. Physical environment: One course from: EEMB 117, 142B; Geography 104, 110, 112, 114A (or Env S 114A), 162A, (or Env S 162A), Geography 164A, 164B, 164C
   I. A minimum of two lab courses from underlined courses or from the following: EEMB 107L, 120AL, 120BL, 127L, 140L, 143L, 142AL, 142BL, 142CL, 144L, 166, 170
   J. Electives: Additional UD courses offered in EEMB or MCDB or Geography 149 (OR Env S 111), or from Areas F, G, or H above to bring the total UD units in the major to 48. Recommended ecology courses: EEMB 117, 144, 146, 147, 148-148L, 152 (or Env S 152) 159, 171* (or Env S 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 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.

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.

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 upper-division majors.