
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>COURSE</th>
<th>UNITS</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>
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<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>
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<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>
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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 ___________________________________________8
C. Evolution: EEMB 131 (or Geology 121) ___________________________________________4
D. One course from D1 or D2: ___________________________________________4
   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, 135, 139
E. Physiology: One course from: EEMB 124, 141, 143, 154, 156, 157, 165, 175; MCDB 111 ___________________________4
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) ___________________________________________4
G. Plant diversity: One course from: EEMB 103A, 114, 115, 119* (or Env S 119*), 127, 133 (or Env S 133*), 137 (or Geology 141), 140*, 166*, 171* (or Env S 171*); Geography 167, 170* ___________________________________________4
H. Physical environment: One course from: EEMB 142B; Geography 104, 110, 112, 114A (or Env S 114A), 162A, (or Env S 162A), 170*, Geology 164A ___________________________________________4
   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, 166, 170 ___________________________________________4
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, 166FT, 171* (or Env S 171*), 178, 179. Recommended evolution courses: EEMB 110, 134, 138, 139, 146, 160, 161, 163 ___________________________________________4

Note: The following courses do not count toward upper-division major credit: EEMB 182, 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.

MAJOR REGULATIONS

PREREQUISITES ___________________________________________Check the General Catalog for the prerequisites to all listed courses.
P/NP GRADING OPTION ______________________________________Not allowed for major courses (prop 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 (Prop 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.