AQUATIC BIOLOGY MAJOR, B.S. – 2009-2010

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 that 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>COURSES</th>
<th>UNITS YET TO COMPLETE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-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>
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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>Chemistry 6AL, 6BL (or 6BH) and 109A-B</td>
<td>14</td>
</tr>
<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 PSTAT 5LS or Math 3C</td>
<td>4 or 5</td>
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<tr>
<td>Physics 6A-AL-BL-C-CL</td>
<td>12</td>
</tr>
</tbody>
</table>

UPPER-DIVISION MAJOR

48 UD units required in biological sciences, distributed as follows: ........................................48

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

A. EEMB 142A-B-C .................................................. 

B. One course or course sequence from each of the following categories:
   1. Genetics: EEMB 129 or MCDB 101A ........................................ 
   2. Ecology: EEMB 120, or either 172 or 179 (not both) .................. 
   3. Physiology: EEMB 143*-143L*, 154, 156, 157; MCDB 111, 151 ....... 
   4. Evolution: EEMB 102, 108, 109 (or Geology 148), 113-113L, 131 (or Geology 121), 136-136L (or Geology 111-111L), 138 .....

C. Aquatic Biology: Three courses from the following, including at least two laboratory courses (underlined): EEMB 106, 112, 116, 134, 142AL, 142BL, 142CL, 143*, 143L*, 144, 144L, 148, 149 (or MCDB 149), 151, 152 (or Env S 152), 159, 163, 170 .... 

D. Physical Environment: One course from: Geography 104, 112, 116 (or Geology 173), 134, 162A (or Environmental Studies 162A), 163, 165; Geology 164A, 164B, 164C, 168 (or Env S 168), 169 (or Env S 169), 171; EEMB 117, ............ 

E. Electives: Additional UD courses offered in EEMB or MCDB or from Areas B, C, and D above to bring the total UD units in the major to 48 ........................................ 

Note: The following courses do not count toward upper-division major credit: EEMB 181, 182, 183, 189; MCDB 121, 182, 183, 184, 194MD, 194KK. In addition, no more than 8 units of the following courses combined will apply: EEMB 184-199; MCDB 185-199. Finally, a minimum 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 any major course (Prep or UD major), including courses applied to the major from other departments, 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 both UD majors.