AQUATIC BIOLOGY MAJOR, B.S. – 2012-2013

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>Course</th>
<th>UNITS YET TO COMPLETE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-B-BC-C-CL or 2A-AC-B-BC-C-CC</td>
<td>15</td>
</tr>
<tr>
<td>MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L</td>
<td>16</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>
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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 PSTAT 5LS (Math 3C or 4A acceptable, but not recommended)</td>
<td>4 or 5</td>
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<tr>
<td>Physics 6A-AL-B-BC-C-CL</td>
<td>12</td>
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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

C. Aquatic Biology: Three courses from the following, including at least two laboratory courses (underlined): EEMB 106, 112, 116, 117*, 134, 142AL, 142BL, 142CL, 143*, 143L*, 144, 144L, 148, 149 (or MCDB 149), 151, 152 (or Env S 152), 159, 163, 167, 170

D. Physical Environment: One course from: Geography 104, 112, 116 (or Earth Science 173), 134, 162 (or Environmental Studies 162), 163, 165; Earth Science 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 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.