DEPARTMENT OF ECOLOGY, EVOLUTION, & MARINE BIOLOGY
3320 LIFE SCIENCES & TECHNOLOGY BUILDING – PHONE: 805-893-5191
http://www.lifesci.ucsb.edu
College of Letters and Science
University of California, Santa Barbara

AQUATIC BIOLOGY MAJOR, B.S. – 2023-2024

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 or combination must be completed as shown to fulfill an area requirement. A single course can satisfy only one requirement. Grades earned must meet the grade prerequisites for the full major.

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 2A-AC-B-BC-C-CC</td>
<td>15</td>
</tr>
<tr>
<td>MCDB 1A-B, EEMB 2-3, MCDB 1LL and EEMB 2LL</td>
<td>16</td>
</tr>
<tr>
<td>Chemistry 6AL and 109A-B or 109AH-BH</td>
<td>11</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 5LS or PSTAT 5A (Math 4A 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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</tbody>
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UPPER-DIVISION MAJOR

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

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

A. Core Curriculum: One course required from each of the following categories:
   1. Ecology: EEMB 120
   2. Evolution: EEMB 131 (or Earth 121)
   3. Genetics: EEMB 129 or MCDB 101A
   4. Biometry: EEMB 146

B. Area of Concentration: EEMB 142A-B-C

C. Aquatic Biology Emphasis: Three courses required from the following, including at least two laboratory courses (underlined): EEMB 106, 112, 116, 142AL, 142BL, 142CL, 143, 144, 144L, 147, 148, 150A, 152 (or Env S 152), 153*, 158*, 159, 163, 165, 170

D. Physical Environment Emphasis: One course required from the following:
   EEMB 153*, 158*; Earth 164B, 168 (or Env S 168); Geog 104, 112, 116, 144, 162, 163, 165

E. Electives: Additional UD courses offered in EEMB or MCDB or from Areas C and D above to bring the total UD units in the major to 48. Recommended courses: EEMB 143, 179

Notes: Laboratory courses are underlined in areas A-E above. The following courses do not count toward upper-division major credit: EEMB 182, 183, 184, and 189; MCDB 183, 184, 194D, 194KF, 194MO, 194MR. In addition, no more than 8 units of the following courses combined will apply: EEMB 185-199; 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.

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.

DOUBLE MAJORS: With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.