

**AQUATIC BIOLOGY MAJOR, B.S. – 2021-2022**

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. Grades earned must meet the grade prerequisites for the full major.

**PREPARATION FOR THE MAJOR**

**UNITS TO COMPLETE**

Chemistry 1A-AL-B-BL-C-CL or 2A-AC-B-BC-C-CC .....	15 _____
MCDB 1A-B, EEMB 2-3, and either (MCDB 1LL and EEMB 2LL) or (MCDB 1AL and MCDB 1BL or EEMB 2L, and EEMB 3L) .....	16 _____
(Transfer students must consult the advisor regarding selected topics to be covered in Z courses)	
Chemistry 6AL <u>and</u> 109A-B or 109AH-BH .....	11 _____
Mathematics 3A-B or 34A-B .....	8 _____
One of the following: PSTAT 5LS or PSTAT 5A (Math 4A acceptable, but not recommended) .....	4 or 5 _____
Physics 6A-AL-B-BL-C-CL .....	12 _____

**UPPER-DIVISION MAJOR**

48 UD units are 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. **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, 130C, 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, 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.
- 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.
- DOUBLE MAJORS** ..... With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.