

<http://www.lifesci.ucsb.edu>  
 College of Letters and Science  
 University of California, Santa Barbara

Note: See Major Progress Check on GOLD  
 for full list of all degree requirements.

**PHYSIOLOGY MAJOR, B.S – 2024-2025**

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**

**UNITS TO COMPLETE**

|   |              |
|---|--------------|
| Chemistry 1A-B-C and 2AL-BL (or 1A-AL-B-BL-C-CL or 2A-AC-B-BC-C-CC).....                    | 15 _____     |
| MCDB 1A-B, EEMB 2-3, MCDB 1LL and EEMB 2LL .....  | 17 _____     |
| Chemistry 6AL <u>and</u> 109A-B-C or 109AH-BH-CH .....                                      | 15 _____     |
| 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 .....
  - 4. Biometry: EEMB 146 .....
- B. Area of Concentration: EEMB 157A-B-C.....
- C. Cellular Biology and Biochemistry Emphasis: One course (or course sequence) required: one from C1 and one from C2.
  - 1. Cell Biology: MCDB 103 .....
  - 2. Biochemistry: MCDB 108A-B .....
- D. Biodiversity and Systematics Emphasis: Two courses required from the following, including at least two laboratory courses (underlined): EEMB 103A, 106, 107-107L, 108, 111, 112, 113-113L, 116, 119, 127-127L, 136-136L (or Earth 111-111L), 144-144L, 150A.....
- E. Electives: Additional UD courses offered in EEMB or MCDB or from Areas B, C or D above to bring the total UD units in the major to 48. Recommended courses: EEMB 163, 165; MCDB 111, 151.....

*Notes: 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 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 (prep or UD), 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.