

DEPT. OF ECOLOGY, EVOLUTION, & MARINE BIOLOGY
 DEPT. OF MOLECULAR, CELLULAR, & DEVELOPMENTAL BIOLOGY
 3320 LIFE SCIENCES AND TECHNOLOGY BLDG.—PHONE: 893-5191
<http://www.lifesci.ucsb.edu>
 College of Letters and Science
 University of California, Santa Barbara

NAME _____

Date _____ Perm # _____

BIOLOGICAL SCIENCES MAJOR, B.S. – 2017-2018

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* and *Pre-Biological Sciences Major Sheet*. At minimum, they must complete twelve designated courses from the Preparation for the Major with a 2.0 or higher UC grade-point average. Grades earned must meet grade prerequisites for the full major.

Notes: Hyphens indicate 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

UNITS YET TO COMPLETE

Chemistry 1A-AL-B-BL-C-CL or 2A-AC-B-BC-C-CC	15 _____
MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L.....	16 _____
(Transfer students must consult the advisor regarding selected topics to be covered in Z courses.)	
Chemistry 6AL-6BL (or 6BH) and 109A-B or 109AH-BH	14 _____
Mathematics 3A-B or 34A-B.....	8 _____
One of the following: PSTAT 5A or PSTAT 5LS or Math 4A	4 or 5 _____
Physics 6A-AL-B-BL-C-CL	12 _____

UPPER-DIVISION MAJOR

48 UD units required, 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. Genetics: One course sequence from: MCDB 101A-B (MCDB concentration) or EEMB 129-130 or EEMB 101* and 129 (EEMB concentration)
- B. One course or course sequence from each of the following:
 - 1. Physiology: MCDB 111, 126A, 132, 151*; EEMB 126, 143, 154, 156, 157, 157C, 165
 - 2. Developmental and Cell Biology: MCDB 103, 112, 118, 133*, 135, 146, 151*, 152, 153
 - 3. Biochemistry and Molecular Biology: MCDB 108A (or W 108A), 110, 126B, 126C, 133*, 134
 - 4. Ecology: EEMB 119, 120, 128, 140, 142A, 147, 148, 153, 155CC, 159, 168, 169, 171 (or Env S 171), 179.....
 - 5. Evolution: EEMB 101*, 102, 108, 109 (or Earth 148), 113-113L*, 127*, 131 (or Earth 121), 136-136L (or Earth 111-111L), 137 (or Earth 141), 138, 180
 - 6. Diversity of Form and Function: EEMB 103A, 106, 107, 111, 112, 113-113L*, 116, 118, 127*, 144-144L, 145, 163; MCDB 131, 139.....
 - 7. Laboratory: Either one of the underlined courses from sections 1-6 above or one of the following: MCDB 101L, 103L, 109L, 112L, 126AL, 126BL, 131L, 132L, 133L, 140L, 161L; EEMB 107L, 127L, 142AL, 142BL, 142CL, 170.....
- C. Electives: Additional upper-division courses in EEMB and MCDB to bring the total to 48 units.....

Note: *The following courses do not count toward upper-division major credit: EEMB 181, 182, 183, 184, 189; MCDB 121, 182, 183, 184, 194KF, 194KK, 194MD. In addition, no more than 8 units of the following courses combined will apply to the major: EEMB 185-199; MCDB 185-199.*

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.
- 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.