

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

BIOLOGICAL SCIENCES MAJOR, B.A. – 2022-2023

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.

Note: Hyphens indicate that an entire sequence or combination must be completed as shown to fulfill an area requirement.

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 _____
Chemistry 6AL and 109A-B or 109AH-BH	11 _____
Mathematics 3A-B or 34A-B	8 _____
One of the following: PSTAT 5LS or PSTAT 5A or Math 4A	4 or 5 _____
Physics 6A-AL-B-BL	8 _____

UPPER-DIVISION MAJOR

36 UD units:..... 36 _____

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

One course or course sequence is required in each of the areas below (A through E)

- A. Genetics: MCDB 101A (MCDB 101B is strongly recommended) or EEMB 129
- B. Physiology: MCDB 111, 151*; EEMB 143, 156, 157A, 157B, 157C, 165
- C. Developmental and Cell Biology or Biochemistry and Molecular Biology:
 MCDB 103, 108A (or W 108A), 110, 112, 118, 133, 134, 135, 146, 151*, 152, 153.....
- D. Ecology or Evolution: EEMB 102, 108*, 109 (or Earth 148), 113-113L*, 119, 120, 127*, 128, 130,
 130C, 131 (or Earth 121), 136-136L (or Earth 111-111L), 137 (or Earth 141), 138, 140, 142A, 147,
 148, 153, 155CC, 158, 159, 168, 169, 171 (or Env S 171), 179, 180.....
- E. Biodiversity and Systematics: EEMB 103A, 106, 107, 108*, 111, 112, 113-113L*, 116, 118, 127*,
 133 (or Env S 133), 145, 150A, 163; MCDB 131, 139
- F. Electives: Additional UD courses offered in EEMB and MCDB to bring the total to 36 units.....

Note: *The following courses do not count toward upper-division major credit: EEMB 182, 183, 184, 189; MCDB 183, 184, 194D, 194KF, 194MO, 194MR. In addition, no more than 4 units of the following courses combined will apply: 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 4 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.