BIOLOGICAL SCIENCES MAJOR, B.S. – 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.

Notes: Hyphens indicate an entire sequence or combination must be completed as shown to fulfill an area requirement. A single course can satisfy only one requirement.

PREPARATION FOR THE MAJOR

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 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* (EEMB concentration) ..................................................................................

B. One course or course sequence from each of the following:
      171 (or Env S 171), 179 ..................................................
   5. Evolution: EEMB 102, 108*, 109 (or Earth 148), 113-113L*, 127*, 130*, 131 (or Earth 121),
      136-136L (or Earth 111-111L), 137 (or Earth 141), 138, 180 ..........................................................
      133 (or Env S 133) 144-144L, 145, 150A, 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 182, 183, 184, 189;
MCDB 183, 184, 194D, 194KF, 194MO, 194MR. 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.
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.