BIOLOGICAL SCIENCES MAJOR, B.S. – 2005-2006

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 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

Chemistry 1A-AL-BL-C-CL (or 2 series) ........................................................................................................... 12
MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L ................................................................. 15
(Transfer students must consult the advisor regarding selected topics to be covered in Z courses.)
Chemistry 6A-B and 109A-B ......................................................................................................................... 12
Mathematics 3A-B or 34A-B .......................................................................................................................... 8
One of the following: PSTAT 5A or EEMB 30 or Math 3C ............................................................................... 4 or 5
Physics 6A-AL-BL-C-CL .................................................................................................................................. 12

UPPER-DIVISION MAJOR

48 UD units required, distributed as follows .................................................................................................. 48

A. Genetics: One course sequence from: MCDB 101A-B (MCDB concentration) or
Mathematics 129-130 (EEMB concentration) ............................................................................................

B. One course or course sequence from each of the following. Note: Courses with an asterisk (*) are listed in more
than one area but they may be applied to only one area.

1. Physiology: MCDB 111, 114*, 117, 126A, 132; EEMB 141, 143, 151, 154, 156, 175


5. Evolution: EEMB 102, 108, 109 (or Geology 148), 113-113L*, 131, (or Geology 121), 135,
136-136L (or Geology 111-111L), 137 (or Geology 141), 139*

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;
EEMB 107L, 120AL-BL, 140L, 143L, 148L, 164L, 164S, 165, 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; MCDB
121, 182, 183, 184. 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.
DOUBLE MAJORS ..................................................................... With the approval of each department chairperson, up to a total of 8 units may be applied
simultaneously to both UD majors.