CELL AND DEVELOPMENTAL BIOLOGY 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 the 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 must be completed as shown to fulfill an area requirement.

PREPARATION FOR THE MAJOR

Chemistry 1A-AL-B-CL-C-CL (or 2A-AC-B-BC-C-CC) .......................................................... 15
MCDB 1A-AL-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-C or 109AH-BH-CH ............................................. 18
Mathematics 3A-B or 34A-B ...................................................................................................... 8
One course from: PSTAT 5LS or 5A or Math 4A ................................................................. 4 or 5
Physics 6A-AL-B-CL-C-CL ....................................................................................................... 12

UPPER DIVISION MAJOR

48 UD units required, distributed as follows: ............................................................................. 48
A minimum of 32 UD units must be completed through courses within the MCDB department.
NOTE: Courses with an asterisk (*) are listed in more than one area, but they may be applied to only one area.

A. Genetics: MCDB 101A-B .................................................................................................. 
B. Biochemistry: MCDB 108A (or W 108A) and 108B-C ....................................................... 
C. Cell Biology: MCDB 103 ................................................................................................. 
D. Developmental Biology: Select two courses from: MCDB 112, 118, 153 ......................... 
   E1. One course from MCDB 103L*, 112L* ........................................................................ 
F. Electives: Additional UD courses in MCDB, EEMB, or Chemistry 141, 161 to bring unit total to 48 .......... 
   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. BMSE may be accepted by petition only.

MAJOR REGULATIONS

PREREQUISITES ................................................................. Check the General Catalog for the prerequisites to all listed courses.
P/NP GRADING OPTION ............................................. Not allowed for any major course (Prep or UD major), 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.