CELL AND DEVELOPMENTAL BIOLOGY MAJOR, B.S – 2018-2019

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-BL-C-CL (or 2A-AC-B-BC-C-CC) .......................................................... 15
MCDB 1A-B, EEMB 2-3 and either (MCDB 1AL, and MCDB 1BL or EEMB 2L, and EEMB 3L) or (MCDB 1LL and EEMB 2LL) .................................................................................. 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 3A-B ..................................................................................................... 8
One course from: PSTAT 5LS or 5A or Math 4A ................................................................. 4 or 5
Physics 6A-AL-B-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 182, 183, 184, 189; MCDB 183, 184, 194KF
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.