CELL AND DEVELOPMENTAL BIOLOGY MAJOR, B.S – 2020-2021

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

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Chemistry 1A-AL-BL-C-CL (or 2A-AC-B-BC-C-CC)</td>
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<tr>
<td>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)</td>
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<tr>
<td>Chemistry 6A-L and 109A-B-C or 109AH-BH-CH</td>
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<tr>
<td>Mathematics 3A-B or 34A-B</td>
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<tr>
<td>One course from: PSTAT 5LS or 5A or Math 4A</td>
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<tr>
<td>Physics 6A-AL-BL-C-CL</td>
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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*

E2. One course or course sequence from: MCDB 101L, 103L*, 109L, 112L*, 126 and 126AL (or 126A-AL), 126B-BL, 132-132L, 133-133L, 140L, 161L

F. Electives: Additional UD courses in MCDB, EEMB, or Chemistry 141, 161 to bring unit total to 48

Note: Students are encouraged to take MCDB 135 and/or MCDB 146 and a course in evolution (such as EEMB 102, 131, or 180), within their elective requirements.

The following courses do not count toward upper-division major credit:

EEMB 182, 183, 184, 189; MCDB 183, 184, 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. 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.

DOUBLE MAJORS

With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.