CELL AND DEVELOPMENTAL BIOLOGY MAJOR, B.S – 2007-2008

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 the 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 that an entire sequence must be completed as shown to fulfill an area requirement.

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-B-CL-C-CL (or 2 series)</td>
<td>15</td>
</tr>
<tr>
<td>MCDB 1A-AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L</td>
<td>15</td>
</tr>
<tr>
<td>(Transfer students must consult the advisor regarding selected topics to be covered in Z courses.)</td>
<td></td>
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<tr>
<td>Chemistry 6AL, 6BL (or 6BH) and 109A-B-C</td>
<td>18</td>
</tr>
<tr>
<td>Mathematics 3A-B or 34A-B</td>
<td>8</td>
</tr>
<tr>
<td>One course from: PSTAT 5A or EEMB 30 or Math 3C</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Physics 6A-AL-BL-C-CL</td>
<td>12</td>
</tr>
</tbody>
</table>

### UPPER DIVISION MAJOR

48 UD units required, distributed as follows: 48

No more than 16 total units may be applied to the major from outside the Department of Molecular, Cellular & Developmental Biology.

- **A. Genetics:** MCDB 101A-B
- **B. Biochemistry:** MCDB 108A-B-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 109L, 126A-AL, 126B-BL, 132-132L, 133-133L, 140L
- **F. Electives:** Additional UD courses in MCDB and EEMB or Chemistry 161 to bring unit total to 48

**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. 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.