### BIOLOGICAL SCIENCES MAJOR, B.S. – 2023-2024

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 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.

Notes: Hyphens indicate an entire sequence or combination must be completed as shown to fulfill an area requirement. A single course can satisfy only one requirement.

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Chemistry 1A-AL-BL-C-CL or 2A-AC-BL-C-CC</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCDB 1A-B, EEMB 2-3, MCDB 1LL and EEMB 2LL</td>
<td>16</td>
</tr>
<tr>
<td>Chemistry 6AL and 109A-B or 109A-H-BH</td>
<td>11</td>
</tr>
<tr>
<td>Mathematics 3A-B or 34A-B</td>
<td>8</td>
</tr>
<tr>
<td>One of the following: PSTAT 5A or PSTAT 5LS or Math 4A</td>
<td>4 or 5</td>
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<tr>
<td>Physics 6A-AL-BL-C-CL</td>
<td>12</td>
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</tbody>
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### UPPER-DIVISION MAJOR

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

Courses with an asterisk (*) are listed in more than one area, but they may be applied to only one area.

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

B. One course or course sequence from each of the following:

4. Ecology: EEMB 119, 120, 128, 140, 142A, 147, 148, 153, 155CC, 158, 159, 168, 169, 171 (or Env S 171), 179
5. Evolution: EEMB 101*, 102, 108*, 109 (or Earth 148), 113-113L*, 127*, 130*, 131 (or Earth 121), 136-136L (or Earth 111L), 137 (or Earth 141), 138, 180
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, 161L; EEMB 107L, 127L, 140L, 142AL, 142BL, 142CL, 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, 189; MCDB 183, 184, 194D, 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.

### 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.

**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.