PHYSIOLOGY MAJOR, B.S – 2006-2007

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 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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-B-CL (or 2 series)</td>
<td>12</td>
</tr>
<tr>
<td>Physics 6A, 109A, 110A</td>
<td>15</td>
</tr>
<tr>
<td>Math 3A or Math 3C</td>
<td>16</td>
</tr>
<tr>
<td>Biology 1A, 109A, 110A</td>
<td>8</td>
</tr>
<tr>
<td>Genetics 1A, 109A, 110A</td>
<td>4 or 5</td>
</tr>
<tr>
<td>[\text{One course from Structure/Function: EEMB 108, 112, 115, 116, 131 (or Geology 121)}]</td>
<td>8</td>
</tr>
<tr>
<td>[\text{Two laboratory courses from among those underlined in areas A, E, and G.}]</td>
<td>8</td>
</tr>
<tr>
<td>[\text{G. Electives: Additional UD courses offered in EEMB and MCDB or from Areas A and E above to bring the total UD units in the major to 48. The following courses are recommended:}]</td>
<td>12</td>
</tr>
<tr>
<td>EEMB 134, 141, 151, 164-164L; MCDB 114...</td>
<td>48</td>
</tr>
</tbody>
</table>

**UPPER-DIVISION MAJOR**

48 UD units are required, distributed as follows:

A. Three courses or course combinations from Regulatory Biology:
   EEMB 143, 143L, 154, 156, 157, 160, 165, 175; Psychology 113, 137

B. Genetics: EEMB 129

C. Cell Biology: MCDB 103

D. Biochemistry: MCDB 108A-B or Chemistry 142A-B

E. One course from Structure/Function: EEMB 108, 112, 115, 116, 131 (or Geology 121)

F. Two laboratory courses from among those underlined in areas A, E, and G.

G. Electives: Additional UD courses offered in EEMB and MCDB or from Areas A and E above to bring the total UD units in the major to 48. The following courses are recommended:
   EEMB 134, 141, 151, 164-164L; MCDB 114

**Note:** The following courses do not count toward upper-division major credit: EEMB 182, 183, 184 (except by petition); MCDB 121, 182, 183, 184. In addition, no more than 8 units of the following courses combined will apply: EEMB 185-199; MCDB 185-199. Finally, a minimum of 32 units must be completed through courses within the EEMB Department.

A maximum of 8 units of psychology courses can be applied. Instructor approval is required for admission into upper-division psychology courses numbered over 109.

**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.

**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.