PHYSIOLOGY MAJOR, B.S – 2012-2013

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 DESCRIPTION</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1A-AL-B-BL-C-CL or 2A-AC-B-BC-C-CC</td>
<td>15</td>
</tr>
<tr>
<td>MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L</td>
<td>16</td>
</tr>
<tr>
<td>(Transfer students must consult the advisor regarding selected topics to be covered in Z courses.)</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>
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<tr>
<td>One of the following: PSTAT 5A or PSTAT 5LS (Math 3C or 4A acceptable but not recommended)</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Physics 6AL-B-BL-C-CL</td>
<td>12</td>
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</tbody>
</table>

UPPER-DIVISION MAJOR

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

A. Three courses or course combinations from Regulatory Biology:
   EEMB 143-143L, 154, 156, 157 ....................................................................................................... 
   
B. Genetics: EEMB 129 ........................................................................................................................ 
   
C. Cell Biology: MCDB 103 ................................................................................................................. 
   
D. Biochemistry: MCDB 108A (or W 108A) and 108B, OR Chemistry 142A (or W 142A) and 142-B ........................................................ 
   
   
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 151 ............................................................................... 

Note: The following courses do not count toward upper-division major credit: EEMB 181, 182, 183, 184 (except by petition), 189; MCDB 121, 182, 183, 184, 194MD, 194KK. 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.

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.