PHYSICS MAJOR, B.A. – 2015-2016

Admission to the major requires completion of the preparation for the major. If Physics 1-2-3-4-5 is taken in place of Physics 20-21-22-23-24-25, it must be completed with an average grade of 2.70. Courses from the two sequences can be combined, for example Physics 1-2-3-24-25, with an average grade of 2.70 required in the courses taken from the Physics 1-2-3-4-5 sequence.

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 20-21-22-23-24-25 or (1-2-3-4-5 with an average grade of 2.70)</td>
<td>17-23</td>
</tr>
<tr>
<td>Physics 3L-4L-(5L or 25L) or 13AH-BH-CH</td>
<td>3-6</td>
</tr>
<tr>
<td>Chemistry 1A-B or 2A-B</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 3A-B, 4A-B, 6A-B</td>
<td>24</td>
</tr>
</tbody>
</table>

### UPPER-DIVISION MAJOR

42 units of approved UD Physics, Chemistry, Earth Science, EEMB, Engineering, Geography, Mathematics and MCDB courses are required, distributed, as follows:

A. 24 units of UD physics

Courses taken:

B. 8 units of UD physics laboratory chosen from the following courses:

    Physics 127AL, 127BL, 128AL, 128BL

Courses taken:

C. 10 units of UD Chemistry, EEMB, Engineering, Geography, Earth Science, Mathematics, MCDB, and Physics electives chosen in consultation with a faculty advisor

A grade of C- or above is required in order to continue the sequence of upper-division courses.

**Note:** All Bachelor of Arts candidates must have their lower division program approved by the corresponding Physics faculty advisor during the first quarter in which they have declared their major. All Bachelor of Arts candidates must have their upper-division program approved by the corresponding Physics faculty advisor before the beginning of classes in the fall quarter of the year in which they attain junior status.

**MAJOR REGULATIONS**

**PREREQUISITES**

Check the General Catalog for the prerequisites to all listed courses.

**P/NP GRADING OPTION**

Not allowed for any major courses, including courses applied to the major from other departments, with the exception of up to 7 units from the following courses: 142L, 143L, 144L, 145L, 198, 199.

**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.