**PHYSICS MAJOR, B.S. DEGREE**  
*SPECIALIZATION: BIOPHYSICS (PY26)*  
Total Units: 116-125

### Lower Division (68-72 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 4A-B-C-D-E or 2A-B-C-D(^1)</td>
<td>20 or 16</td>
</tr>
<tr>
<td>Physics 2CL and 2DL</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 6A-B-C and 7L</td>
<td>16</td>
</tr>
<tr>
<td>BILD 1-2</td>
<td>8</td>
</tr>
<tr>
<td>Math 18(^2) and 20A-B-C-D-E</td>
<td>24</td>
</tr>
</tbody>
</table>

### Upper Division (48-53 units)

*A course that is listed in several areas cannot count towards more than one area and can satisfy only ONE of the major requirements:*

1. Physics 100A, 105A, 110A, 120, 130A, 140A, 173, 175 ................................................................. 33
2. One course from Physics 176, 177, 178 .......................................................................................... 4
3. Chemistry 140A ............................................................................................................................ 3 or 4\(^3\)
4. Additional electives, to achieve a count of twelve upper-division courses in the major, may be selected from biology, chemistry and physics .................................................. 8 or 12\(^4\)

Note: Premedical students will need to take two additional quarters of organic chemistry (Chemistry 140B and 140C), one quarter of organic chemistry laboratory (Chemistry 143A), and one quarter of an upper-division biology course. In addition, some medical schools also require a quarter of biochemistry (Biology BIBC 100 or Chemistry 114A). The premedical requirements may be used to satisfy elective requirements for upper-division courses.

**MAJOR REGULATIONS**

**DOUBLE MAJORS**................. A student with a double major must fulfill the separate requirements of each major, and the equivalent of at least ten upper-division courses (forty units) must be unique to each major. Courses taken in fulfillment of lower-division requirements may overlap to any degree.

**GRADE REQUIREMENTS** .......... A grade point average of 2.0 or higher in the upper-division major is required for graduation. Students must receive a grade of C– or better in all courses to be applied to the major. In exceptional cases, students with a grade point average of 2.5 or higher in the upper-division major may petition to have one grade of D accepted; approval is not guaranteed.

**P/NP GRADING OPTION** ........... Not allowed for any courses applied to the major (exceptions are courses completed via AP/IB, and Physics 199).

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

**RESIDENCE REQUIREMENTS** ....... At least eight upper-division courses in the major while in residence at UC San Diego.

**SUBSTITUTIONS**.................. Permissible only by approved petition.

---

1. The Physics 4 series is strongly recommended.
2. The Linear Algebra course previously numbered Math 20F is acceptable.
3. If Chemistry 140A is completed at a community college it may transfer over as a 3-unit course.
4. If Chemistry 140A is completed at a community college it may transfer over as lower division course, in which case an additional 4-unit upper-division elective course must be completed in the major.

To see a 4-year, quarter-by-quarter plan for this degree: Go to [http://plans.ucsd.edu/](http://plans.ucsd.edu/)
Advising for current UC San Diego students: Go to [http://vac.ucsd.edu/](http://vac.ucsd.edu/)
Advising for prospective UC San Diego students: Email advising@physics.ucsd.edu