Requirements for the minor in
PHYSICS, 2019-2020

All courses to be applied to the minor must be completed on a letter-grade basis, with the exception of up to 5 units from the following: Physics 142L, 143L, 144L, 145L, 198, 199.

**PREPARATION**

<table>
<thead>
<tr>
<th>Course Details</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 1-2-3-4-5 (or Physics 20-21-22-23-24-25) and Physics 3L-4L-5L or 25L or 13AH-BH-CH</td>
<td>20-31</td>
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<tr>
<td>Mathematics 3A-B, 4A-B, 6A-B</td>
<td>24</td>
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**UPPER-DIVISION**

18 units are required, distributed as follows:

- 3 courses chosen from the following:
  - Physics 101, 102, 103, 104, 110A-B, 115A-B or 119A-B                         | 12    |
  - UD Physics electives                                                        | 6     |

Substitutions and waivers are subject to approval by the faculty advisor.

Students must consult the General Catalog for prerequisites to required courses.

The following conditions must also be met for official recognition of the minor:

- The sponsoring department reports completion of the minor prior to the posting of the degree.
- At least 18 upper-division quarter units are completed for the minor. (Waivers cannot reduce the requirement below this number.)
- At least 12 of the upper-division units for the minor are completed while in residence at UCSB.
- The UC grade-point average in ALL applicable upper-division courses is 2.0 or higher.
- No more than 5 upper-division units overlap between this minor and the upper-division portion of the major(s) or other minor(s). If overlap is greater with the major(s), completion of the minor will not be formally recognized; if overlap with other minor(s) is greater, only the first minor reported will be recognized.