PHYSICS MINOR

The Minor in Physics provides the student with the opportunity to build on the introductory physics core courses with a coordinated set of electives which are based on interests and career objectives selected in consultation with a physics advisor. It consists of 24 units in physics and astronomy, of which 12 units must be upper division, and no more than 4 units may be from astronomy courses.

**Required Courses.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>PHYS 133 General Physics</td>
<td>4</td>
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<tr>
<td>(Prerequisite: PHYS 141 or PHYS 131 and MATH 142)</td>
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<tr>
<td>PHYS 211 Modern Physics I</td>
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**Physics/Astronomy electives:**

Minimum 12 units must be upper division. Any upper-division course with prefix PHYS or PHYS 202 or PHYS 212. Students may also select a maximum of 4 units from ASTR 301, 302, 326, 444. Must include at least one of the following courses:

- PHYS 301 Thermal Physics (4)
- PHYS 302 Classical Mechanics I (4)
- PHYS 322 Vibrations and Waves (3)
- PHYS 323 Optics (4)
- PHYS 405 Quantum Mechanics I (4)
- PHYS 408 Electromagnetic Fields and Waves I (4)
- PHYS 412 Solid State Physics (3)

Total: 24 units