**BA PHYSICS**  
**MAJOR COURSES (92-93)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 141</td>
<td>General Physics IA</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 132</td>
<td>General Physics II (B3 &amp; B4)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 133</td>
<td>General Physics III</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 206</td>
<td>Experimental Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>Modern Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 212</td>
<td>Modern Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 256</td>
<td>Electrical Measurements Lab</td>
<td>1</td>
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<tr>
<td>PHYS 301</td>
<td>Thermal Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 302</td>
<td>Classical Mechanics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 322</td>
<td>Vibrations and Waves</td>
<td>3</td>
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<tr>
<td>PHYS 405 or PHYS 412</td>
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<td>4</td>
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<tr>
<td>PHYS 461 or PHYS 463</td>
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<td>2</td>
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</tbody>
</table>

Select one course from the following:
- HIST 350; PHIL 321, 421; SCM 451
- CHEM 127 General Chemistry I
- CHEM 128 General Chemistry II
- MATH 141 Calculus I (B1)  
- MATH 142 Calculus II (B1)  
- MATH 143 Calculus III
- MATH 241 Calculus IV
- MATH 244 Linear Analysis I
- MATH/STAT elective (300-400 level; MATH 344 recommended)

- Physics elective (300-400 level)  
- MATH/STAT elective (300-400 level; MATH 344 recommended)

1. The following major courses cannot be taken as CR/NC grading: PHYS 132, 133, 256, 323, 340, 341, 342, 357, 417, 422, 423, 452; ASTR 444.
2. Required in Major; also satisfies GE.
3. Care must be taken to ensure compliance with the "60 units of upper-division" requirement.

**GENERAL EDUCATION (GE)**

- 72 units required, 12 of which are in Major
- Minimum of 12 units required at the 300 level.

**Area A Communication**
- A1 Expository Writing
- A2 Oral Communication
- A3 Reasoning, Argumentation & Writing

**Area B Science and Mathematics**
- B1 Math/Statistics (8 units in Major)
- B2 Life Science
- B3 Physical Science (4 units in Major)
- B4 One lab with B2 or B3 (in major)

**Area C Arts and Humanities**
- C1 Literature
- C2 Philosophy
- C3 Fine/Performing Arts
- C4 Upper-division elective
- C1-C5 Elective

**Area D/E Society and the Individual**
- D1 The American Experience
- D2 Political Economy
- D3 Comparative Social Institutions
- D4 Self Development
- D5 Upper-division elective

**Area F Technology (upper div)**

**FREE ELECTIVES**

- 27-28 units

**OTHER DEGREE REQUIREMENTS:**
- Cal Poly, Higher Ed, and Major GPA must all be at least 2.00

All students must complete:
- United States Cultural Pluralism Requirement
- Graduation Writing Requirement
- 60 units Upper Division (any 300-400 level classes)
- Upper Division units in the Major: 18
- Residency Requirements: See Degree Progress Report for details

**Units Required 180**

**Updated 3.27.13**

*Note: No major, support or concentration courses may be selected as credit/no credit.*