# 2017-18 Degree Plan
## Physics (Biophysics Concentration), BS
### College of Arts & Sciences: Department of Physics & Astronomy (4 Year Plan)

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Hours Towards Degree: 15</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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<tbody>
<tr>
<td>PHYC 160: General Physics</td>
<td>3</td>
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<tr>
<td>PHYC 160L: General Physics Laboratory</td>
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<tr>
<td>ENGL 110: Accelerated Composition or ENGL 111: Composition I and ENGL 112: Composition II or ENGL 113: Enhanced Composition</td>
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<tr>
<td>CHEM 121: General Chemistry I</td>
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<td>CHEM 123L: General Chemistry I Lab</td>
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<td>MATH 162: Calculus I</td>
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**Term Hours:** 15

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<th>Term 2</th>
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<tbody>
<tr>
<td>PHYC 161: General Physics</td>
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<td>PHYC 161L: General Physics Laboratory</td>
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<td>ENGL 120: Composition III</td>
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<td>MATH 163: Calculus II</td>
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<td>CHEM 122: General Chemistry II</td>
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<td>CHEM 124L: General Chemistry II lab</td>
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**Term Hours:** 15

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<tr>
<td>CJ 130 or PHIL 156 or ENGL 219 or ENGL 220</td>
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<tr>
<td>BIOL 201L: Molecular and Cell Biology</td>
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<td>PHYC 262: General Physics</td>
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<td>PHYC 262L: General Physics Lab</td>
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<td>MATH 264: Calculus III</td>
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**Term Hours:** 18

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<th>Term 4</th>
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<tr>
<td>BIOL 202L: Genetics</td>
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<td>PHYC 330: Introduction to Modern Physics</td>
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<td>MATH 311: Vector Analysis</td>
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<td>MATH 316: Applied Ordinary Differential Equations</td>
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<td>PHYC 290: Computational Physics</td>
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**Term Hours:** 16

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This degree plan is designed for students in the College of Arts & Sciences, Department of Physics & Astronomy. It includes a 4-year plan with specific courses for the Biophysics Concentration in Physics, BS. The plan includes general physics courses, composition requirements, general chemistry courses, calculus courses, and biophysics-specific courses. The minimum grades and notes are marked accordingly for each course. The total hours towards the degree are tracked for each term, with final term hours totaling 64 for the full degree plan.
<table>
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<tr>
<th>Term 5</th>
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<tbody>
<tr>
<td>PHYC 303: Analytical Mechanics I</td>
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<td>MATH 312: Partial Differential Equations for Engineering</td>
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<tr>
<td>Biophysics Elective 1</td>
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<tr>
<td>BIOL 203: Ecology and Evolution</td>
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<tr>
<td>BIO Elective 2</td>
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<tr>
<td>PHYC 304: Analytical Mechanics II</td>
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<td>BIOL 204: Plant and Animal Form and Function</td>
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<td>MATH 314: Linear Algebra with Applications or Upper Division MATH or STAT</td>
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<td>PHYC 405: Electricity and Magnetism I</td>
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<tr>
<td>BIO Elective 3</td>
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<td>PHYC 301: Thermodynamics and Statistical Mechanics</td>
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<tr>
<td>Upper Division Elective</td>
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<th>Term 8</th>
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<tbody>
<tr>
<td>Biophysics Elective 4</td>
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<td>PHYC 307L: Junior Laboratory</td>
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<td>Upper Division Elective</td>
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**Crucial course:** A crucial course is a predictor for success in obtaining this degree. It should be taken in the term indicated in order to ensure timely progress to graduation.

**Degree Plan Notes**
- Minimum graduation GPA = 2.00. Keep in mind that minimum grades on road map are for individual coursework only. Students must maintain a minimum of a 2.0 cumulative GPA for admission and graduation from the College of Arts and Sciences.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CJ 130</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>ENGL 219</td>
<td>Tech &amp; Professional Writing</td>
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<tr>
<td>ENGL 220</td>
<td>Expository Writing</td>
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<tr>
<td>PHIL 156</td>
<td>Reasoning &amp; Critical Thinking</td>
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