# 2016-17 Degree Plan

## Physics, BS

College of Arts & Sciences: Department of Physics & Astronomy (4 Year Plan)

### Term 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
<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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<tr>
<td>MATH 162: Calculus I</td>
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**Term Hours:** 15

### Term 2

<table>
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<th>Course</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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<tr>
<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

### Term 3

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<tbody>
<tr>
<td>CJ 130 or PHIL 156 or ENGL 219 or ENGL 220</td>
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<td>Core Course</td>
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<tr>
<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:** 17

### Term 4

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<th>Course</th>
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<tbody>
<tr>
<td>PHYC 330: Introduction to Modern Physics</td>
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<td>MATH 316: Applied Ordinary Differential Equations</td>
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<tr>
<td>PHYC 290: Computational Physics</td>
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**Term Hours:** 15
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<tr>
<th>Term 5</th>
<th>Hours Towards Degree: 78</th>
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<tbody>
<tr>
<td>PHYC 303: Analytical Mechanics I</td>
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<td>PHYC 301: Thermodynamics and Statistical Mechanics</td>
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<td>PHYC 306L [308L]: Junior Laboratory</td>
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<td>PHYC 366: Mathematical Methods of Physics</td>
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<th>Minimum Grade</th>
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<tbody>
<tr>
<td>PHYC 304: Analytical Mechanics II</td>
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<td>PHYC 307L: Junior Laboratory</td>
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<td>MATH 314: Linear Algebra with Applications</td>
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<td>PHYC 405: Electricity and Magnetism I</td>
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<tr>
<td>PHYC 406: Electricity and Magnetism II</td>
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<td>PHYC 491: Intermediate Quantum Mechanics I</td>
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<tbody>
<tr>
<td>PhHYC 493L: Contemporary Physics Laboratory</td>
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<td>PHYC 492: Intermediate Quantum Mechanics II</td>
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<td>Physics 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.
- This degree plan includes either a statistics minor or a mathematics minor depending on the courses chosen as upper division.
CJ 130 or PHIL 156 or ENGL 219 or ENGL 220s

CJ 130: Public Speaking

ENGL 219: Tech & Professional Writing

ENGL 220: Expository Writing

PHIL 156: Reasoning & Critical Thinking