Physics Major Education Track
(Last updated Spring 2018)

Calculus I
MTH111

Calculus II
MTH112

Calculus III
MTH212

Math Methods
PHY210 (F/S)

Introductory Physics I
PHY117 (F/S)

Pedagogy/Practicum
PHY300/301 (F or S)

Introductory Physics II
PHY 118 (F/S)

Experimental Physics
PHY350 (F)

Light, Relativity, and Quantum Physics
PHY215 (S)

Physical Electronics
PHY240 (F)

Research in Physics
Special Studies
Summer Research
Honors

Pick one of these!

Classical Mechanics
PHY317 (F)

Electricity & Magnetism
PHY318 (F)

Thermal Physics
PHY319 (S)

Quantum Mechanics
PHY327 (S)

The rest!

Introduction to Astronomy
ASTI 11 (F)

The American Middle School and High School EDC232 (F)

Teaching Science, Engineering and Technology*
EDC390 (F or S)

Introduction to the Learning Sciences EDC238 (F)

Or a second run through PHY300, 301 or any other 300 level PHY course

Requirements for the Physics Major Education Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTI 11 - F</td>
<td>Introduction to Astronomy</td>
</tr>
<tr>
<td>PHY 117 - F/S</td>
<td>Introductory Physics I</td>
</tr>
<tr>
<td>PHY 118 - F/S</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>PHY 210 - F/S</td>
<td>Math Methods</td>
</tr>
<tr>
<td>PHY 215 - S</td>
<td>Introductory Physics III</td>
</tr>
<tr>
<td>EDC232 - F</td>
<td>The American Middle School and High School</td>
</tr>
<tr>
<td>EDC238 - F</td>
<td>Introduction to the Learning Sciences</td>
</tr>
<tr>
<td>PHY 240 - F</td>
<td>Physical Electronics</td>
</tr>
<tr>
<td>PHY 300 - F/S</td>
<td>Physics Pedagogy: Theory</td>
</tr>
<tr>
<td>PHY 301 - F/S</td>
<td>Physics Pedagogy: Practicum</td>
</tr>
<tr>
<td>PHY 317 - F</td>
<td>Classical Mechanics*</td>
</tr>
<tr>
<td>PHY 318 - F</td>
<td>Electricity &amp; Magnetism</td>
</tr>
<tr>
<td>PHY 319 - S</td>
<td>Thermal Physics*</td>
</tr>
<tr>
<td>PHY 327 - S</td>
<td>Quantum Mechanics*</td>
</tr>
<tr>
<td>PHY 350 - F</td>
<td>Experimental Physics</td>
</tr>
<tr>
<td>EDC390 - F or S</td>
<td>Teaching Science, Engineering and Technology*</td>
</tr>
</tbody>
</table>

*Pick one of these

*Or a second run through PHY300, 301 or any other 300 level PHY course