Program Progression Guide

Disclaimer: The 2020-2021 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2020, Spring 2021, and Summer 2021 semesters. The Program Progression Guide assists students in the development of an individualized 8-semester plan. Students are encouraged to use this guide, myPurduePlan* (online degree auditing tool) and the Student Educational Planner (SEP) as they work with their academic advisor towards the completion of their degree requirements.

Notification: Each student is ultimately responsible for knowing, monitoring and completing all degree requirements.

An undergraduate degree in the College of Science requires completion of the following degree requirements.

<table>
<thead>
<tr>
<th>University Degree Requirements</th>
<th>Minimum 2.0 Cumulative GPA</th>
<th>Minimum 120 Credits that fulfill degree requirements</th>
<th>32 Residency Credits (30000 and above) at a Purdue University campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Core Curriculum**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Human Cultures: Behavioral/Social Science</td>
<td>Quantitative Reasoning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Human Cultures: Humanities</td>
<td>Science</td>
<td></td>
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<tr>
<td></td>
<td>Information Literacy</td>
<td>Science, Technology &amp; Society Selective</td>
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</tr>
<tr>
<td></td>
<td>Oral Communication</td>
<td>Written Communication</td>
<td></td>
</tr>
<tr>
<td>University Core Curriculum</td>
<td>Course Listing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Major Program Courses</th>
<th>Departmental specific requirements. 2.0 average in PHYS/ASTR classes required to graduate. Minimum 2.0 cumulative GPA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>College of Science Core Curriculum</th>
<th>Foreign Language &amp; Culture – 9 credits</th>
<th>Mathematics - 6-10 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Great Issues - 3 credits</td>
<td>Statistics - 3 credits</td>
</tr>
<tr>
<td></td>
<td>Laboratory Science - 8 credits</td>
<td>Computing - 3 credits</td>
</tr>
<tr>
<td></td>
<td>Multidisciplinary - 3 credits</td>
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<table>
<thead>
<tr>
<th>Degree Electives</th>
<th>Any Purdue or transfer course approved to meet degree requirements in accordance with individual departmental policies. Consult the No Count course list for courses, which may not be used to meet any College of Science degree requirement.</th>
</tr>
</thead>
</table>

* This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements.

** University Core Curriculum Outcomes may be met through completion of the College of Science Core curriculum. Students should consult with their academic advisors and myPurdue Plan for course selections.
# 2020-21 Applied Physics Degree Progression Guide

The Physics Department has *suggested* the following degree progression guide for the Physics Degree. Students will work with their academic advisors to determine their best path to degree completion. Course pre-requisites are specific to this degree plan.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 1st Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 1st Year</th>
<th>Prerequisite</th>
</tr>
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<tbody>
<tr>
<td>4</td>
<td>PHYS 17200 Honors sections&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>ALEKS 85</td>
<td>4</td>
<td>PHYS 27200 Honors sections&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>PHYS 17200 + Co-req: Calculus II</td>
</tr>
<tr>
<td>4-5</td>
<td>Calculus I Option&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>ALEKS 85</td>
<td>4</td>
<td>CHM 11600&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>CHM 11500</td>
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<tr>
<td>4</td>
<td>CHM 11500&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>ALEKS 75</td>
<td>4-5</td>
<td>Calculus II Option&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>Calculus II C- or higher</td>
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<tr>
<td>3-4</td>
<td>Science Core Option</td>
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<td>Science Core Option</td>
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<td></td>
<td></td>
<td><strong>15-17</strong></td>
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<table>
<thead>
<tr>
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<th>Fall 2nd Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 2nd Year</th>
<th>Prerequisite</th>
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<tr>
<td>3</td>
<td>PHYS 30600</td>
<td>PHYS 272 + Co-req Calculus III</td>
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<td>PHYS 30700</td>
<td>PHYS 272</td>
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<td>1</td>
<td>PHYS 34000</td>
<td>Co-req Phys 344</td>
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<td>PHYS 42200</td>
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<tr>
<td>4</td>
<td>PHYS 34400</td>
<td>PHYS 272 + Co-req Calculus III</td>
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<tr>
<td>4-5</td>
<td>Calculus III Option&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>Calculus II C- or higher</td>
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<td>3-4</td>
<td>Science Core Option</td>
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<td>3</td>
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<thead>
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<th>Prerequisite</th>
<th>Credit</th>
<th>Spring 3rd Year</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>4</td>
<td>PHYS 31000</td>
<td>PHYS 272 + Co-req Calculus III</td>
<td>3</td>
<td>PHYS 36000</td>
<td>(PHYS 310 or 330) + PHYS 344</td>
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<tr>
<td>3</td>
<td>PHYS 33000</td>
<td>PHYS 272 + Co-req Calculus III</td>
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<td>PHYS 51500</td>
<td>Co-req PHYS 310 + 344 + 360 + 330</td>
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<th>Prerequisite</th>
<th>Credit</th>
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<td>Major Selective</td>
<td>Pre-reqs may vary</td>
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<td>Pre-reqs may vary</td>
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<td>Pre-reqs may vary</td>
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<td>Elective</td>
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<tr>
<td><strong>15</strong></td>
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<td></td>
<td><strong>15-17</strong></td>
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</tr>
</tbody>
</table>

## Science Core Curriculum Options

(Options recommended for first- and second-year students)

- Freshman Composition<sup>UC</sup>
- General Education<sup>UC</sup> (3 courses needed)
- Foreign Language and Culture<sup>UC</sup> (3 courses needed)
- Multidisciplinary Experience<sup>UC</sup>

(Options recommended for third- and fourth-year students)

- Technical Writing and Presentation<sup>UC</sup> (COM 217 recommended)
- Statistics (STAT 30100 or 35000)
- Computing (CS 17700 or CS 15900)
- Great Issues

<sup>UC</sup> Select courses may also satisfy a University Core Curriculum requirement; see the University Core Requirement course list for approved courses. Students must have 32 credits at the 30000 level or above taken at Purdue.