### Disclaimer
The 2023-2024 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2023, Spring 2024, and Summer 2024 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 124 Credits that fulfill degree requirements</th>
<th>32 Residency Credits (30000 and above) at a Purdue University campus</th>
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<tbody>
<tr>
<td><strong>University Core Curriculum</strong>**</td>
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<tr>
<td>• Human Cultures: Behavioral/Social Science</td>
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<td>• Human Cultures: Humanities</td>
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<td>• Information Literacy</td>
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<td>• Oral Communication</td>
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<td>• Quantitative Reasoning</td>
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<td>• Science</td>
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<tr>
<td>• Science, Technology &amp; Society Selective</td>
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<td>• Written Communication</td>
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<tr>
<td>Civic Literacy Proficiency - <a href="https://www.purdue.edu/provost/about/provostInitiatives/civics/">https://www.purdue.edu/provost/about/provostInitiatives/civics/</a></td>
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### Required Major Program Courses
All Professional Education courses, including Learner (Specialty) Pathway Concentration courses, must be completed with no grade lower than a C. Overall GPA for Physics Concentration courses with the Departmental/Program Major Courses must be $\geq 2.5$. (Required courses for the Physics Concentration that are met within Department/Program requirements, but included in the content GPA for this concentration: CHM 11500/12500/12300; PHYS 17200/17200H (note: Majors in Physics must take the honors Versions); PHYS 27200/27200H (note: Majors in Physics must take the honors Versions)). 2.5 average in Physics concentration courses required to graduate. 2.0 Graduation GPA for a Bachelor of Science degree. 2.5 Overall GPA is required for the Teacher Education Program and Indiana Licensure. 2.50 Content GPA, as calculated by the Office of Teacher Education and Licensure, is required for the Teacher Education Program and Indiana Licensure. 3.0 Professional Education GPA is required for the Teacher Education Program and Indiana Licensure.

### College of Science Core Curriculum
- First-Year Composition
- Technical Writing and Presentation: 0-6 credits
- Computing
- Cultural Diversity: 0-6 credits
- General Education: 6 credits
- Great Issues in Science: 3 credits
- Laboratory Science
- Mathematics
- Science, Technology, and Society
- Statistics
- Team-Building and Collaboration

### Degree Electives
No Count courses are not allowed for credit. Overlapping Course Content courses - only one course can be used for courses considered to have overlapping content. A course can only be used once in the Major Course area.

* 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.
## 2023-2024 Science Education - Physics Concentration - Degree Progression Guide

The College of Science has suggested the following degree progression guide for the Science Education – Physics Concentration Degree. Students will work with their academic advisors to determine their best path to degree completion.

### Credits | Fall 1st Year | Prerequisite | Credits | Spring 1st Year | Prerequisite
--- | --- | --- | --- | --- | ---
2-3 | EDCI 20500 - Exploring Teaching As A Profession | | 2-3 | EDCI 28500 - Multiculturalism And Education |
4 | PHYS 17200 (HONORS) | ALEKS 55+ or SATM 670/ACTM 29 requirement | 1-3 | EDCI 35000 - Community Issues & Applications For Educators |
4 | CHM 11500 or CHEM 12500 | ALEKS 75+ or SATM 620/ACTM 26 requirement | 1-3 | EDST 20010 - Educational Policies And Laws |
4-5 | MA 16100 or MA 16500 | ALEKS 55+ or SATM 670/ACTM 29 requirement | 4 | PHYS 27200 (HONORS) |
3-4 | Science Core Language & Culture Option | | 4 | CHM 11600/CHM 12600/CHM 13600 |
17-19 | | | 16-18 | |

### Credit | Fall 2nd Year | Prerequisite | Credits | Spring 2nd Year | Prerequisite
--- | --- | --- | --- | --- | ---
1 | EDCI/EDPS 20001 - Special Populations Seminar: English Language Learners And Students With Gifts And Talents | | 1 | EDCI/EDPS 20001 - Special Populations Seminar: Focus On Students With Disabilities And Differentiation Approaches |
2-3 | EDCI 27001 - Teaching And Learning English As A New Language | | 2-3 | EDPS 23500 - Learning And Motivation |
1 | EDPS 24800 - Differentiating Curriculum And Instruction | | 1 | EDPS 24000 - Children With Gifts, Creativity, And Talents |
2-3 | EDPS 36201 - Positive Behavioral Supports | | 2 | EDPS 26501 - The Inclusive Classroom |
3 | PHYS 30600* Fall only | PHYS 27200, MA 26100 co-req | 3 | PHYS 30700 Spring only |
1 | PHYS 34000* | PHYS 34400 co-req | 3 | PHYS 42200 Spring only |
4 | PHYS 34400* Fall only | PHYS 27200, MA 26100 co-req | 3 | STAT 30100 (Sci, Engr Selective) |
4 | MA 26100* or MA 27101 | MA 16200 | 3 | Science Core TWTP Option (COM 21700 recommended) |
18-19 | | | 15 | |

### Credit | Fall 3rd Year | Prerequisite | Credit | Spring 3rd Year | Prerequisite
--- | --- | --- | --- | --- | ---
1-3 | EDCI 27000 - Introduction To Educational Technology And Computing | | 3 | PHYS 36000 Spring only |
1-3 | EDCI 30000 - Reading in Middle And Secondary Schools: Methods And Problems | | 4 | CS 17700 OR CS 18000 |
4 | PHYS 31000 Fall only | PHYS 27200, MA 26100 | 4 | EDCI 42800 - Teaching Science In The Middle And Junior High School OR EDCI 55800 - Integrated Science, Technology, Engineering And Mathematics (STEM) Education Methods-Secondary |
3 | PHYS 32000 Fall only | PHYS 27200, MA 26100 | 2-3 | |
2 | PHYS 45000 | PHYS 42200 | | |
3 | Learner Pathway Selective | | 3-4 | PHYS 53600 OR PHYS 58000 |
3 | Science Core Language & Culture Option | | 3 | Science Core General Education Option |
17 | | | 15-17 | |

### Credit | Fall 4th Year | Prerequisite | Credit | Spring 4th Year | Prerequisite
--- | --- | --- | --- | --- | ---
3 | EDCI 42400 - The Teaching Of Earth And Physical Science In The Secondary Schools | | 12 | EDCI 49800 (Teambuilding and Collaboration Experience) |
1-3 | EDPS 32700 - Classroom Assessment | | | EDCI 20500, 28500 AND EDPS 23500, 26501 (C- or better) |
1-3 | EDPS 43010 - Secondary Creating And Managing Learning Environments | EDCI 20500, 28500 AND EDPS 23500, 26501 (C- or better) | | |
3 | PHYS/ASTR ≥ 300 level | | Varies | |
3 | Science Core Great Issues Selection | | | |
2 | Science Core General Education Selection | | | |
2 | Elective | | | |
17 | | | 12 | |
## Science Core Curriculum Options

(one course needed for each requirement unless otherwise noted)

<table>
<thead>
<tr>
<th>Options recommended for first- and second-year students</th>
<th>Options recommended for third- and fourth-year students</th>
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</thead>
<tbody>
<tr>
<td>Written Communication&lt;sup&gt;UC&lt;/sup&gt;</td>
<td>Technical Writing and Presentation&lt;sup&gt;UC&lt;/sup&gt; (COM 217 recommended)</td>
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<tr>
<td>Foreign Language and Culture&lt;sup&gt;UC&lt;/sup&gt; (2 courses + EDCI 28500)</td>
<td>Science, Technology, and Society&lt;sup&gt;UC&lt;/sup&gt;</td>
</tr>
<tr>
<td>Computing (CS 17700 or CS 15900) /Teamwork</td>
<td>Great Issues</td>
</tr>
<tr>
<td>Foreign Language and Culture&lt;sup&gt;UC&lt;/sup&gt; (3 courses needed)</td>
<td>General Education&lt;sup&gt;UC&lt;/sup&gt; (2 courses + EDPS 23500)</td>
</tr>
</tbody>
</table>

UC 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.