

Program Progression Guide

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.

| University Degree Requirements | | |
|--|---|---|
| Minimum 2.0 Cumulative GPA | Minimum 120 Credits that fulfill degree requirements | 32 Residency Credits (30000 and above) at a Purdue University campus |
| University Core Curriculum** | | |
| <ul style="list-style-type: none"> Human Cultures: Behavioral/Social Science Human Cultures: Humanities Information Literacy Oral Communication <p>University Core Curriculum Course Listing</p> | <ul style="list-style-type: none"> Quantitative Reasoning Science Science, Technology & Society Selective Written Communication | |
| Required Major Program Courses | | |
| Departmental specific requirements. 3.0 average in PHYS/ASTR classes required to graduate. Minimum 3.0 cumulative GPA | | |
| College of Science Core Curriculum | | |
| <ul style="list-style-type: none"> Written Composition – 3 credits Technical Writing and Presentation - 3 credits Teaming & Collaboration (NC) General Education - 9 credits | <ul style="list-style-type: none"> Foreign Language & Culture – 9 credits Great Issues - 3 credits Laboratory Science - 8 credits Science, Science, Technology & Society- 3 credits | <ul style="list-style-type: none"> Mathematics - 6-10 credits Statistics - 3 credits Computing - 3 credits |
| Degree Electives | | |
| 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. | | |

* 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.

2023-24 Physics Honors 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.

| Credits | Fall 1st Year | Prerequisite | Credits | Spring 1st Year | Prerequisite |
|--------------|---|--------------|--------------|--|----------------------------------|
| 4 | PHYS 17200 Honors sections ^{UC} | ALEKS 85 | 4 | PHYS 27200 Honors sections ^{UC} | PHYS 17200 + Co-req: Calculus II |
| 4-5 | Calculus I Option ^{UC} | ALEKS 85 | 4 | CHM 11600 ^{UC} | CHM 11500 |
| 4 | CHM 11500 ^{UC} | ALEKS 75 | 4-5 | Calculus II Option ^{UC} | Calculus I C- or higher |
| 3-4 | Science Core Option – Written Communication | | 3-4 | Science Core Option | |
| 15-17 | | | 15-17 | | |

| Credit | Fall 2nd Year | Prerequisite | Credits | Spring 2nd Year | Prerequisite |
|--------------|-----------------------------------|--------------------------------|--------------|---|--------------------------|
| 3 | PHYS 30600 | PHYS 272 + Co-req Calculus III | 3 | PHYS 30700 | PHYS 272 + Co-req MA 261 |
| 1 | PHYS 34000 | Co-req PHYS 344 | 3 | PHYS 42200 | PHYS 272 |
| 4 | PHYS 34400 | PHYS 272 + Co-req Calculus III | 3-4 | Science Core Option - Computing | |
| 4-5 | Calculus III Option ^{UC} | Calculus II C- or higher | 3 | Science Core Option - Statistics | |
| 3-4 | Science Core Option | | 3 | Science/Engineering Selective ≥ 300-level | Pre-reqs may vary |
| 15-17 | | | 15-16 | | |

| Credit | Fall 3rd Year | Prerequisite | Credit | Spring 3rd Year | Prerequisite |
|--------------|-------------------------------|--------------------------------|--------------|---------------------|---|
| 3 | PHYS 41000 | PHYS 272 + Co-req Calculus III | 2 | PHYS 41100 | (PHYS 310 or 410) C- or better |
| 3 | PHYS 46000 | PHYS 344 + coreq PHYS410 | 3 | PHYS 46100 | (PHYS 460 or 360 or 550) C- or better |
| 2 | PHYS 45000 | PHYS 42200 | 3 | PHYS 43000 | PHYS 272 + coreq Calculus III and (PHYS 306 or MA 362) C- or better |
| 3-6 | Science Core Option – COM 217 | | 3 | Science Core Option | |
| 3 | Science Core Option | | 3-4 | Science Core Option | |
| 1 | Elective | | 1 | Elective | |
| 15-18 | | | 15-16 | | |

| Credit | Fall 4th Year | Prerequisite | Credit | Spring 4th Year | Prerequisite |
|-----------|---|---|--------------|--------------------------|-------------------|
| 4 | PHYS 41600 | Coreq (PHYS 410 and 430 and 460) C- or better | 3-4 | Adv Lab Option | Pre-reqs may vary |
| 2 | PHYS 43100 | PHYS 430 – C- or better | 3 | PHYS/ASTR Selective ≥500 | Pre-reqs may vary |
| 3 | PHYS 59300 | | 3 | PHYS/ASTR Selective ≥500 | Pre-reqs may vary |
| 3 | Science/Engineering Selective ≥ 300-level | Pre-reqs may vary | 3 | Science Core Option | |
| 3 | Science Core Option – Great Issues | | 2 | Science Core Option | |
| 15 | | | 15-16 | | |

Science Core Curriculum Options

(one course needed for each requirement unless otherwise noted)

| Options recommended for first- and second-year students | Options recommended for third- and fourth-year students |
|---|--|
| Written Composition ^{UC} General Education ^{UC} (3 courses needed) Foreign Language and Culture ^{UC} (3 courses needed) Science, Technology & Society ^{UC} | Technical Writing and Presentation ^{UC} (COM 217 recommended) Statistics (STAT 30100 or 35000) Computing (CS 17600, CS 17700 or CS 15900) Great Issues |

^{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.