PURDUE UNIVERSITY

Interdisciplinary Science – Concentration in Physics
College of Science

2023-2024

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**		
• Human Cultures: Behavioral/Social Science • Human Cultures: Humanities • Information Literacy • Oral Communication University Core Curriculum Course Listing	• Quantitative Reasoning • Science • Science, Technology & Society Selective • Written Communication	
Civic Literacy Proficiency - https://www.purdue.edu/provost/about/provostInitiatives/civics/		
Required Major Program Courses		
Minimum 2.0 cumulative GPA.		
College of Science Core Curriculum		
• First-Year Composition: 3-4 credits • Technical Writing and Presentation: 0-6 credits • Computing • Cultural Diversity: 0-9 credits	• General Education: 9 credits • Great Issues in Science: 3 credits • Laboratory Science • Mathematics	• Science, Technology, and Society: 0-3 credits • Statistics • Team-Building and Collaboration: 0-3 credits
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 Interdisciplinary Science – Concentration in Physics Degree Progression Guide

The College of Science Department has *suggested* the following degree progression guide for the Interdisciplinary Science – Concentration in Physics 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
4-5	MA 16100 or MA 16500	ALEKS 85+ or SATM 670/ACTM 29 requirement	4-5	MA 16200 or MA 16600	MA 16100 or 16500
3-4	Science Core Option		4	PHYS 27200 or PHYS 24100 Electricity and Optics AND PHYS 25200	PHYS 17200
4	PHYS 17200	ALEKS 85+ or SATM 670/ACTM 29 requirement	3-4	Science Core Option	
3-4	Science Core Option		3	Free Elective	
1	Free Elective		0-1	Free Elective	
15-18			**15-17**		

Credit	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	MA 26100	MA 16200 or 16600	3	PHYS 30000+	Varies
3-4	PHYS 34200 or 34400	PHYS 27200 or 24100+25200 AND co-req MA 26100	3	Supporting Area Course	
3-4	Science Core Option		3-4	CS 15900/17700/18000	
3	Supporting Area Course		3-4	First-Year Composition	
3	Free Elective		3	Free Elective	
16-18			**15-17**		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	PHYS 30000+	Varies	3-4	EAPS Selective	
3	Supporting Area Course		3	Supporting Area Course	
4-5	General Chemistry Selective I	Co-req Calc	4-5	General Chemistry Selective II or Free Elective	Varies
3	Science Core Option		3	Science Core Option	
3	COM 21700		3	Free Elective	
16-17			**16-18**		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	STAT 30100/35000/35500/50300/51100		3	Science Core Option	
3	Supporting Area Course		3	Supporting Area Course	
3	Great Issues Option		3-4	Biology Selective II	Biology I
4	Biology Selective I		0-2	Biology Selective II or Free Elective	
3	Free Elective		4-6	Free Elective	
16			**15-18**		

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 Communication[UC]	Technical Writing and Presentation[UC] (COM 217 recommended)
Foreign Language and Culture[UC] (3 courses needed)	Science, Technology, and Society[UC]
Computing (CS 17700 or CS 15900) /Teamwork	Great Issues
Foreign Language and Culture[UC] (3 courses needed)	General Education[UC] (3 courses needed)
Statistics	

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.