PURDUE UNIVERSITY

Interdisciplinary Science – Concentration in Biology
College of Science

2024-2025

Program Progression Guide

Disclaimer: The 2024-2025 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2024, Spring 2025, and Summer 2025 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) 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** https://www.purdue.edu/senate/committees/standing-committees/educational/curr/courses.php		
• Human Cultures: Behavioral/Social Science • Human Cultures: Humanities • Information Literacy • Oral Communication		• Quantitative Reasoning • Science • Science, Technology & Society Selective • Written Communication
Civic Literacy Proficiency https://policyplanning.president.purdue.edu/civics-literacy/		
Required Major Program Courses		
Minimum 2.0 cumulative GPA.		
Supporting Area		
This 18-credit requirement is determined by the student based on academic and career goals and must be approved.		
College of Science Core Curriculum		
• Written Communication: 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: 3 credits • Statistics • Team-Building and Collaboration: 0-3 credits
Degree Electives		
Any Purdue or transfer course approved to meet degree requirements in accordance with individual departmental policies. The College of Science has identified courses that are below the disciplinary level of each program and major area of study. While similar, Not Recommended course lists vary between departments.		

* 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.

2024-2025 Interdisciplinary Science – Concentration in Biology Degree Progression Guide

The College of Science has *suggested* the following degree progression guide for the Interdisciplinary Science – Concentration in Biology 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 (not all prerequisites are listed for every course).

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3-5	Calculus Option I	ALEKS 85+ or SATM 670 or ACTM 29	3-5	Calculus Option II	Calculus I C- or higher
4-5	General Chemistry Selective I		4-5	General Chemistry Selective II	Varies
2-4	Biology Selective I	Co-req Calc	4-5	Biology Selective II	Biology I
3	Science Core Option		3	Science Core Option	
1-3	Free Elective		1-3	Free Elective	
15-18			**15-18**		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	BIOL 23100	Biology Selective and CHM 11600 or equivalent	3	BIOL 24100	BIOL 23100 and CHM 11600 or equivalent
2	BIOL 23200	Co-req BIOL 23100	2	BIOL 24200	Co-req BIOL 24100
3-4	Science Core Option		3	Supporting Area Course	
3	Supporting Area Course		3	Science Core Option	
3	Science Core Option		3	Science Core Option	
			1-3	Free Elective	
14-15			**15-17**		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
4	Physics Selective I	ALEKS 85+ or SATM 670 or ACTM 29	4	Physics Selective II	Physics 1
3	Science Core Option -- STAT 35000/35500/50300/51100 recc'd	Varies	2	BIOL 28600	Biology I and II
3	Science Core Option - COM 21700 recc'd		3-4	EAPS Selective Course	
3	Supporting Area Course		3	Supporting Area Course	
3	Free Elective		3	Science Core Option – Great Issues recc'd	
16			**15-16**		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3-4	Biology 300+: BIOL 36700, 42000, 43600, 43800 (or Free Elective)	Varies	3-4	Free Elective (or BIOL 32800 or 41500 or 41600 if BIOL 300+ Selective not complete)	varies
3	Supporting Area Course		3	Supporting Area Course	
3	Science Core Option		3-4	Science Core Option	
3-4	Science Core Option – Computing recc'd		3	Free Elective	
3	Free Elective		3	Free Elective	
15-17			**15-17**		

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)
Computing (CS 17700 or CS 15900)	Statistics
Foreign Language and Culture[UC] (3 courses needed)	General Education[UC] (3 courses needed)
Science, Technology, and Society[UC]	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.