PURDUE UNIVERSITY

Mathematics Statistics
College of Science

2025-2026

Program Progression Guide

Disclaimer: The 2025-2026 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2025, Spring 2026, and Summer 2026 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		• Quantitative Reasoning • Science • Science, Technology & Society Selective • Written Communication
Civic Literacy Proficiency - https://www.purdue.edu/provost/about/provostInitiatives/civics/		
Required Major Program Courses		
Students should strive to earn a B- or better. Average GPA in courses must be 2.00 in **Required Major Courses.** 2.0 Graduation GPA required for Bachelor of Science degree.		
College of Science Core Curriculum		
• Written Communication: 3-4 credits • Technical Writing and Presentation: 0-6 credits • Computing: 3-4 credits • Language and Culture: 1-9 credits	• General Education: 9 credits • Great Issues in Science: 3 credits • Laboratory Science: 6-8 credits • Mathematics: 8-10 credits	• Science, Technology, and Society: 1-3 credits • Statistics: 3 credits • 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.

2025-2026 Mathematics Statistics Degree Progression Guide

The Mathematics and Statistics Departments have *suggested* the following degree progression guide for the Mathematics Statistics Degree. Students will work with their academic advisors to determine their best path to degree completion.

Credit	Fall 1st Year	Prerequisite	Credit	Spring 1st Year	Prerequisite
4-5	Calculus I Option *	ALEKS 85+ or SATM 670/ACTM 29 requirement	4-5	Calculus II Option	Calculus I, C- or higher
3-4	Science Core Option		3-4	CS 15900/17600/17700/18000	
3-4	Science Core Option		3-4	Science Core Option	
1	Free Elective (MA 10800 recommended)		3	Free Elective	
3-4	Free Elective		2	Free Elective	
15-18			**15-18**		

Credit	Fall 2nd Year	Prerequisite	Credit	Spring 2nd Year	Prerequisite
4-5	Calculus III Option	Calculus II, C- or higher	3	MA 35100 * Elementary Linear Algebra	Calculus III, C- or higher
3	Science Core Option		3	STAT 35000 or STAT 35500	Calculus II, C- or higher
3-4	Science Core Option		3	COM 21700	
3	Free Elective (MA 30100 recommended)	Calculus II, C- or higher	3	Science Core Option	
2	Free Elective		3	Free Elective	
15-18			**15**		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	MA 34100 Foundations Of Analysis or MA 44000 Real Analysis Honors	Calculus III, C- or higher	3-4	Advanced MA Selective	Varies by Class
3	MA/STAT 41600 Probability (or STAT 51600)	Calculus III, C- or higher	3	STAT 41700 Statistical Theory (or STAT 51700)	STAT 35000/41600, C- or higher
3-4	Science Core Option		3-4	Science Core Option	
3	Free elective		3-4	Science Core Option	
3	Free Elective		3	Free Elective	
15-16			**15-17**		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	MA 43200	Varies by Class	3	MA 35301 Linear Algebra II	MA 35100, C- or higher
3	STAT 51200 Applied Regression Analysis	STAT 35000, C- or higher	3	STAT Selective	Varies by Class
3	Great Issues Option		3-4	Science Core Option	
3	Science Core Option		3-4	Science Core Option	
3	Free Elective (Science, Technology & Society Selective Course)		3	Free Elective	
15-16			**15-17**		

Superscript of * (eg Calculus I Option*) indicates a course a student should earn a minimum of a C.
Courses in ( ) are recommended.

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)/Teamwork	Science, Technology, and Society[UC]
Foreign Language and Culture[UC] (3 courses needed)	General Education[UC] (3 courses needed)
Laboratory Science (2 course sequence)	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.