

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), and the Student Educational Planner (SEP) as they work with their academic advisor toward 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. 2.0 average in EAPS major classes required to graduate. Minimum 2.0 cumulative GPA All courses, except for Language & Culture, General Education, and Electives, must have a grade of C- or higher. All EAPS courses, regardless of area in the plan of study, must have a grade of C- or higher.		
College of Science Core Curriculum		
<ul style="list-style-type: none"> Freshman 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 Multidisciplinary - 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. 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 is not an 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.

2024-25 Atmospheric Science Degree Progression Guide

The EAPS Department has *suggested* the following degree progression guide for the Atmospheric Degree. Students will work with their academic advisors to determine their best path to degree completion. Course prerequisites are specific to this degree plan.

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	EAPS 11700		3	EAPS 10000-level	
1	EAPS 13700		4-5	MA 16200 or MA 16600	Calculus I
4-5	MA 16100 or MA 16500	ALEKS 85+ or SAT/ACT	3-4	Science Core – Computing	
4-5	CHM 11500 or CHM 12500	ALEKS 75+ or SAT/ACT	3	Science Core Option	
3-4	Science Core Option		1-3	Elective	
15-18			14-18		

Credit	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	EAPS 22500	Calculus I co-req	2	EAPS 23001	EAPS 225
3	EAPS 22700	Calculus I co-req	3	MA 26500	Calculus II
4	PHYS 17200	Calculus I co-req	4	PHYS 27200 or (PHYS 24100 and PHYS 25200)	PHYS 172
4-5	MA 26100 or MA 27101	Calculus II	3	Science Core - Statistics	
3	Science Core Option		3	Elective	
17-18			15		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	EAPS 42100	EAPS 225; MA 26100; PHYS 172	3	EAPS 42200	EAPS 421; MA 266
3	EAPS 50700	STAT 30100	3	EAPS 53200	EAPS 431; MA 266
3	MA 26600	MA 26100	3	Science Core Option	
3	Science Core Option		3	Science Core Option	
3	Science Core Option		3	Free Elective	
15			15		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	EAPS 42300	EAPS 42200	3	EAPS 42501	EAPS 42200
3	EAPS 400/500 Selective		3	EAPS 400/500 Selective	
3	Science Core Option		3	General Education III Selective	
3	Science Core Option		3	Science Core Option	
3	Elective		3	Elective	
15			15		

EAPS 400/500 Selective

EAPS 43100 Synoptic Lab I	EAPS 52300 Radar Meteorology
EAPS 43200 Synoptic Lab II	EAPS 52500 Boundary Layer Meteorology
EAPS 43300 Synoptic Lab III	EAPS 53000 Extreme Weather and Climate: Science and Risk
EAPS 43400 Weather Analysis and Forecasting	EAPS 53400 Tropical Meteorology
EAPS 51500 Geodata Science	EAPS 53600 Introduction to General Circulation
EAPS 52000 Theory of Climate	EAPS 53900 Mesoscale Meteorology
EAPS 52100 Atmospheric Chemistry	

Students should consult with their advisor for selective courses.

