

Program Progression Guide

Disclaimer: The [2021-2022 Purdue West Lafayette catalog](#) is considered the source for academic and programmatic requirements for students entering programs during the Fall 2021, Spring 2022, and Summer 2022 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 	
Civic Literacy Proficiency - https://www.purdue.edu/provost/about/provostInitiatives/civics/		
Required Major Program Courses		
Departmental specific requirements. 2.0 average in EAPS major classes required to graduate. Minimum 2.0 cumulative GPA		
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. 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.

2021-22 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 pre-requisites are specific to this degree plan.

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	EAPS 11700 ^{CC} * Intro to Atms. Science		3	EAPS 100-level ^{CC}	
1	EAPS 13700 ^{CC} Freshman seminar		4-5	MA 16200 or MA 16600 ^{CC} * CALC 2	Calculus I
4-5	MA 16100 or MA 16500 ^{CC} CALC 1	ALEKS 85+ or SAT/ACT	4	CS 17700- Programmingwith Multimedia Objects	
4	CHM 11500 ^{CC} * General Chemistry or CHM 125 ^{CC} * Introduction to Chemistry	ALEKS 75+ or SAT/ACT	3	Language I /Selective	
3-4	ENGL 10600 or ENGL 10800* or SLCA 10100 Fresh. Comp				
15-17			14-15		

Credit	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	EAPS 22500 ^{CC} * Science of Atmosphere	Calculus I co-req	3	EAPS 32000 Physics of climate	PHYS 172 co-req
4	MA 26100* CALC 3 or MA 27101* Honors Multivariate Calculus	Calculus II	3	MA 26500* Linear Algebra	Calculus III
4	PHYS 17200 ^{CC} * CALC-based Physics 1	Calculus I co-req	4	PHYS 27200* CALC-based Physics 2 or PHYS 24100* Electricity and Optics and PHYS 25200*	PHYS 172
2	EAPS 22700 Atmos. Observation/Measurement		3	Language III/Culture/Diversity Option	Poss Lang 102
3	Language II /Selective	Language 101	3	Free Elective	
16			16		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	EAPS 42100 Atmospheric Thermodynamics	EAPS 225; Calc III; PHYS 172	3	EAPS 42200 Atmospheric Dynamics 1	EAPS 421; MA 266
1	EAPS 43100 Synoptic Lab 1	EAPS 225	1	EAPS 43200 Synoptic Lab 2	EAPS 431; EAPS 422 co-req
3	COM 21700* Public Speaking on Tech. Topics		3	EAPS 53200 Atmospheric Physics	EAPS 431; MA 266
3	MA 26600	Calc 3	3	Statistics Selective* [EAPS 310 Rec; spring]	
3	General Education I Selective*		3	Free Elective	
			3	Science Core Selective	
13			16		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	EAPS 50700 Data Analysis	Calculus I	3	EAPS 400/500 Selective (500 for Masters)	Instructor Permission
3	Great Issues Selective (SCC-F)		3	General Education III Selective	
3	EAPS 42300 Atmospheric Dynamics 2	EAPS 422	3	Science Core Selective	
1	EAPS 43300 Synoptic Lab 3	EAPS 432; EAPS 423 co-req	3	Free Elective (500 for Masters)	
3	General Education II Selective*		3	Free Elective	
13			15		

^{CC} Identified as a critical course. Student should earn minimum of a C- see advisor for further details.

* Satisfies a University Core Requirement; Courses in () are recommended * Consult the University Core Requirement [course list](#) for approved course.

EAPS 400/500 Selective

EAPS 43400 Weather Analysis and Forecasting	EAPS 52500 Boundary Layer Meteorology
EAPS 49700 Undergraduate Reading and Research	EAPS 53000 Extreme Weather and Climate: Science and Risk
EAPS 51500 Geodata Science	EAPS 53400 Tropical Meteorology
EAPS 52000 Theory of Climate	EAPS 53600 Introduction to General Circulation
EAPS 52100 Atmospheric Chemistry	EAPS 53900 Mesoscale Meteorology
EAPS 52300 Radar Meteorology	

