

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 Planetary Sciences Degree Progression Guide

The EAPS Department has *suggested* the following degree progression guide for the Planetary Sciences 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* or 11800 ^{CC} * Intro to ATSC or Earth Science		3	EAPS 10500 ^{CC} * The Planets	
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	CHM 11600 ^{CC} * General Chemistry 2 or CHM 12600 ^{CC} * Introduction to Chemistry 2	CHM 115
4	CHM 11500 ^{CC} * General Chemistry 1 or CHM 12500 ^{CC} * Introduction to Chemistry 1	ALEKS 75+ or SAT/ACT	3-4	ENGL 10600 or ENGL 10800* or SLCA 10100 Fresh. Comp	
3-4	Science Core Option				
15-17			14-16		

Credit	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	MA 26100 ^{CC} * CALC 3	Calculus II	3	CS 17700 Programming with Multimedia Objects	
4	PHYS 17200 ^{CC} * CALC based Physics 1	Calculus I co-req	4	MA 26200* Linear Algebra/Differential Equations.	Calculus III
3	EAPS 24300 Earth Materials 1		4	PHYS 27200* CALC based Physics 2 or PHYS 24100* Electricity and Optics and PHYS 25200*	
3	Science Core Option/Language-Culture		3	Science Core Option/Language-Culture	
3	EAPS Elective (10000:59900)		3	Science Core Option	
17			17		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	Planetary Science Selective [^]		3	Planetary Science Selective [^]	
3	EAPS 35300 Earth Surface Processes	EAPS 24300	3	EAPS 35400 Plate Tectonics	
3	Science Core Option-General Ed		3	Science Core Option/Language-Culture	
3	COM 21700* Public Speaking on Tech. Topics		3	Statistics Course	
3	Elective/Gen Ed		3	Elective/Gen Ed	
15			15		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	EAPS Selective		3	EAPS 445 Spacecraft Design	SR classification
3	Elective		3	Great Issues Course	
3	Science Core Option		3	Science Core Option	
3	Planetary Science Selective [^] or Skills Selective		3	Planetary Science Selective [^] or Skills Selective	
			3	Elective	
12			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.

[^] Planetary Science Selective for advanced courses and specializations

Planetary Science Selectives	
ASTR 36300 The Solar System	EAPS 35200 Structural Geology
EAPS 39500 Astrobiology	EAPS 39000 Field Methods
EAPS 50700/50900 Data Analysis	EAPS 47400 Sediment and Stratigraphy
EAPS 57700 Remote Sensing	EAPS 32000 Physics of Climate
EAPS 58000 Geodynamics	EAPS 43100/43200/43300 Synoptic Lab 1-3
EAPS 59100 Planetary Materials	EAPS 42100 Atmospheric Thermodynamics
EAPS 59100 Planetary Atmospheres	EAPS 42200 Atmospheric Dynamics 1
EAPS 59100 Lab Analysis	EAPS 43300 Atmospheric Dynamics 2
EAPS 59100 Planetary Origins	

