

## Program Progression Guide

**Disclaimer:** The [2022-2023 Purdue West Lafayette catalog](#) is considered the source for academic and programmatic requirements for students entering programs during the Fall 2022, Spring 2023, and Summer 2023 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"> <li>Human Cultures: Behavioral/Social Science</li> <li>Human Cultures: Humanities</li> <li>Information Literacy</li> <li>Oral Communication</li> </ul> <p><a href="#">University Core Curriculum Course Listing</a></p>	<ul style="list-style-type: none"> <li>Quantitative Reasoning</li> <li>Science</li> <li>Science, Technology &amp; Society Selective</li> <li>Written Communication</li> </ul>	
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"> <li>Freshman Composition – 3 credits</li> <li>Technical Writing and Presentation - 3 credits</li> <li>Teaming &amp; Collaboration (NC)</li> <li>General Education - 9 credits</li> </ul>	<ul style="list-style-type: none"> <li>Foreign Language &amp; Culture – 9 credits</li> <li>Great Issues - 3 credits</li> <li>Laboratory Science - 8 credits</li> <li>Multidisciplinary - 3 credits</li> </ul>	<ul style="list-style-type: none"> <li>Mathematics - 6-10 credits</li> <li>Statistics - 3 credits</li> <li>Computing - 3 credits</li> </ul>
Degree Electives		
Any Purdue or transfer course approved to meet degree requirements in accordance with individual departmental policies. Consult the <a href="#">No Count course list</a> 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.

## 2022-23 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 11800 <sup>CC</sup> * <b>Intro to Earth Science</b>		3	EAPS 10500 <sup>CC</sup> * <b>The Planets</b>	
1	EAPS 13700 <sup>CC</sup> <b>Freshman Seminar</b>		4-5	MA 16200 or MA 16600 <sup>CC</sup> * <b>CALC 2</b>	Calculus I
4-5	MA 16100 or MA 16500 <sup>CC</sup> * <b>CALC 1</b>	ALEKS 85+ or SAT/ACT	4	CHM 11600 <sup>CC</sup> * <b>General Chemistry 2</b>	CHM 115
4	CHM 11500 <sup>CC</sup> * <b>General Chemistry 1</b>	ALEKS 75+ or SAT/ACT	3-4	ENGL 10600 or ENGL 10800 or SCLA 10100- <b>Freshman Composition</b>	
3-4	Science Core Option				
<b>15-17</b>			<b>14-16</b>		

Credit	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	MA 26100 <sup>CC</sup> * <b>CALC 3</b>	Calculus II	4	CS 17700 <b>Programming with Multimedia Objects</b>	
4	PHYS 17200 <sup>CC</sup> * <b>CALC based Physics 1</b>	Calculus I co-req	4	MA 26200* <b>Linear Algebra/Differential Equations.</b>	Calculus III
4	EAPS 24300 <b>Mineralogy</b>	EAPS 11800	4	PHYS 27200* <b>CALC based Physics 2</b> or PHYS 24100* <b>Electricity and Optics</b> and PHYS 25200* <b>Electricity and Optics Lab</b>	
3	EAPS Elective (10000:59900)		3	Science Core Option/Language-Culture	
3	Science Core Option/Language-Culture		3	Science Core Option	
<b>18</b>			<b>17</b>		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	Planetary Science Selective <sup>^</sup>		3	Planetary Science Selective <sup>^</sup>	
3	EAPS 35300 <b>Earth and Planetary Surface Processes</b>	EAPS 24300	3	EAPS 35400 <b>Earth and Planetary Geophysics</b>	
3	COM 21700* <b>Public Speaking on Tech. Topics</b>		3	Science Core Option/Language-Culture	
3	Science Core Option/Gen Ed		3	Statistics Course	
3	Elective/Gen Ed		3	Elective/Gen Ed	
<b>15</b>			<b>15</b>		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	EAPS Selective		3	EAPS 445 <b>Spacecraft Design</b>	SR classification
3	Planetary Science Selective <sup>^</sup> or Skills Selective		3	EAPS 57700 <b>Remote Sensing</b> or EAPS 30900 <b>Computer Aided Analysis</b>	Junior/Senior CS 177
3	Science Core Option		3	Science Core Option	
3	Elective		3	Planetary Science Selective <sup>^</sup> or Skills Selective	
3	Great Issues Course		3	Elective	
<b>15</b>			<b>15</b>		

<sup>CC</sup> 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.

<sup>^</sup> Planetary Science Selective for advanced courses and specializations

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

