

**Program Progression Guides**

**Disclaimer:** The [2023-2024 Purdue West Lafayette catalog](#) is considered the source for academic and programmatic requirements for students entering programs during the Fall 2023, Spring 2024, and Summer 2024 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.

<b>University Degree Requirements</b>		
Minimum 2.0 Cumulative GPA	Minimum 124 Credits that fulfill degree requirements	32 Residency Credits (30000 and above) at a Purdue University campus
<b>University Core Curriculum**</b>		
<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>	
<b>Civic Literacy Proficiency - <a href="https://www.purdue.edu/provost/about/provostInitiatives/civics/">https://www.purdue.edu/provost/about/provostInitiatives/civics/</a></b>		
<b>Required Major Program Courses</b>		
<p><i>All Professional Education courses, including Learner (Specialty) Pathway Concentration courses, must be completed with no grade lower than a C. 2.0 Graduation GPA required for Bachelor of Science degree. 2.0 average in EAPS major classes required to graduate. Overall GPA for Earth Space Science Concentration courses with the Departmental/Program Major Courses must be <math>\geq 2.5</math>. 2.5 Overall GPA is required for the Teacher Education Program and Indiana Licensure. 3.0 Professional Education GPA is required for the Teacher Education Program and Indiana Licensure. Overall GPA for Earth Space Concentration courses with the Departmental/Program Major Courses must be <math>\geq 2.50</math>. This includes all courses under the Science Education Core plus all courses in the Earth Space Concentration unless otherwise indicated.</i></p>		
<b>College of Science Core Curriculum</b>		
<ul style="list-style-type: none"> <li>First-Year Composition</li> <li>Technical Writing and Presentation: 0-6 credits</li> <li>Computing</li> <li>Cultural Diversity: 0-6 credits</li> </ul>	<ul style="list-style-type: none"> <li>General Education: 6 credits</li> <li>Great Issues in Science: 3 credits</li> <li>Laboratory Science</li> <li>Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>Science, Technology, and Society</li> <li>Statistics</li> <li>Team-Building and Collaboration</li> </ul>
<b>Degree Electives</b>		
<p><u>No Count courses</u> are not allowed for credit. Overlapping Course Content courses - only one course can be used for courses considered to have overlapping content. A course can only be used once in the Major Course area.</p>		

\* 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.

## 2023-2024 Science Education – Earth, Atmospheric and Planetary Sciences Concentration - Degree Progression Guide

The College of Science has suggested the following degree progression guide for the Science Education – Earth, Atmospheric and Planetary Sciences Concentration Degree. Students will work with their academic advisors to determine their best path to degree completion.

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
2-3	EDCI 20500 - Exploring Teaching As A Career		2-3	EDCI 28500 - Multiculturalism And Education	
4-5	CHM 11500 or CHM 12500 Chemistry I	Calc I co-req or ALEKS	1-3	EDCI 35000 - Community Issues & Applications For Educators	
3	EAPS 11800 or EAPS 11100		1-3	EDST 20010 - Educational Policies And Laws	
4-5	MA 16100 or MA 16500 Calculus I	ALEKS	4	CHM 11600 or CHM 12600 or CHM 12901 or CHM 13600 Chemistry II	Chemistry I
3	Science Core Option		3-4	EAPS 11200 Earth Through Time or EAPS 10900 Dyn Earth	
			4-5	MA 16200 or MA 16600 Calculus II	Calculus I
<b>16-19</b>			<b>15-17</b>		

Credit	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	EAPS 24300 Earth Materials Fall only	Calculus I and CHM	3	EAPS 20000 - Water World: Processes And Challenges In Global Hydrology	
2-3	EDCI 37001 - Teaching And Learning English As A New Language		3	EAPS 35400 - Plate Tectonics	
1	EDPS 24800 - Differentiating Curriculum And Instruction		2-3	EDPS 23500 - Learning And Motivation	
2-3	EDPS 36201 - Positive Behavioral Supports		1	EDPS 24000 - Children With Gifts, Creativity, And Talents	
1	EDCI 20002 or EDPS 20002 - Special Populations Seminar		2	EDPS 26501 - The Inclusive Classroom	
4	PHYS 17200 or 22000 Physics		1	EDCI 20001 or EDPS 20001 - Special Populations Seminar	
3	Science Core Option		4	PHYS 27200 or 22100 or PHYS 24100 and PHYS 25200	PHYS 17200 or PHYS 22100
<b>17</b>			<b>16</b>		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	EAPS 10500 The Planets		3	COM 21700 - Science Writing And Presentation	
3	EAPS 11700 Intro to Atmospheric Science		3	EAPS 39000 - Geologic Field Methods	EAPS 35300
3	EAPS 35300 Surface Processes	EAPS 24300	2	EDCI 42800 - Teaching Science In The Middle And Junior High School or EDCI 55800 (STEM) Education Methods-Secondary	
1-3	EDCI 27000 - Introduction To Educational Technology And Computing		3	Learner Pathway Selective	
1-3	EDCI 30900 - Reading In Middle And Secondary Schools: Methods And Problems		3	Science Core Option	
3	Science Core Option		3	Free Elective (if needed)	
3	Free Elective (if needed)				
<b>14-17</b>			<b>14-18</b>		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	EDCI 42400 - The Teaching Of Earth And Physical Science In The Secondary Schools		12	EDCI 49800 Supervised Teaching	
1-3	EDPS 32700 - Classroom Assessment				
1-3	EDPS 43010 - Secondary Creating And Managing Learning Environments				
3	STAT 30100 - Elementary Statistical Methods				
4	CS 17700 or CS 1800				
3	Great Issues Option		<b>12</b>		
<b>16</b>					

## 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 <sup>UC</sup> Foreign Language and Culture <sup>UC</sup> (2 courses + EDCI 28500) Computing (CS 17700 or CS 15900) /Teamwork Foreign Language and Culture <sup>UC</sup> (3 courses needed) Statistics	Technical Writing and Presentation <sup>UC</sup> (COM 217 recommended) Science, Technology, and Society <sup>UC</sup> Great Issues General Education <sup>UC</sup> (2 courses + EDPS 23500)

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.