

## 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"> <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>	
Civic Literacy Proficiency - <a href="https://www.purdue.edu/provost/about/provostInitiatives/civics/">https://www.purdue.edu/provost/about/provostInitiatives/civics/</a>		
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.

## 2021-22 Geology and Geophysics Degree Progression Guide

The EAPS Department has *suggested* the following degree progression guide for the Geology and Geophysics 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 10900 <sup>CC</sup> * <b>Dynamic Earth</b> or EAPS 11200 <sup>CC</sup> * <b>Earth through Time</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> or CHM 125600 <sup>CC</sup> * <b>Introduction to Chemistry 2</b>	CHM 115
4	CHM 11500 <sup>CC</sup> * <b>General Chemistry 1</b> or CHM 12500 <sup>CC</sup> * <b>Introduction to Chemistry</b>	ALEKS 75+ or SAT/ACT	3-4	ENGL 10600 or ENGL 10800* or SLCA 10100 <b>Fresh. Comp</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	EAPS 24300 <sup>CC</sup> * <b>Earth Materials 1</b>	EAPS 118; CHM 115 co-req	3	EAPS 35400 <b>Plate Tectonics</b>	EAPS 118; PHYS I; Calc I
4	PHYS 17200 or 22000 <sup>CC</sup> * <b>Physics 1</b>	Calculus I co-req or none	4	PHYS 27200 or 22100* <b>Physics 2</b> or PHYS 24100* <b>Electricity and Optics</b> and PHYS 25200* <b>Electricity and Optics Lab</b>	PHYS 172/220
3	Science Core Option	Language 101	3	Science/Engineering Selective (20000:59900)	
3	Science/Engineering Selective (20000:59900)		3	Science Core Option	
			3	Elective	
<b>14</b>			<b>16</b>		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	EAPS 35300 (fall) <b>Surface Processes</b>	EAPS 243	3	EAPS 35200 <b>Structural Geology</b>	EAPS 35400
4	EAPS 47400 (fall) <b>Sediment and Stratigraphy</b>	EAPS 243	3	EAPS 39000 <b>Field Methods</b>	EAPS 35300
4	CS 15900 <b>C Programming</b> or CS 17700 <b>Programming with Multimedia Objects</b> or CS 18000 <b>Problem Solving and Object-Oriented Programming</b>		3	Statistics Course	
3	Science Core Option		3	Science Core Option	
			3	EAPS 30900 <b>Computer Aided Analysis</b>	
<b>14</b>			<b>15</b>		

### 6 credits – EAPS 49000/EAPS 3xxxx Geology Field Experience (Summer)

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	EAPS Professional Elective (30000:59900)		3	EAPS Professional Elective (30000:59900)	
3	Great Issues Selective (SCC-F)		3	Science Core Option	
3	Science Core Option		3	COM 21700* <b>Public Speaking on Tech. Topics</b>	
3	Science Core Option		3	Elective	
3	Elective				
<b>15</b>			<b>12</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.

### College of Science Core Curriculum (SCC)

- |                                       |                       |
|---------------------------------------|-----------------------|
| A. Freshman Composition               | G. Laboratory Science |
| B. Technical Writing and Presentation | H. Multidisciplinary  |
| C. Teaming and Collaboration          | I. Mathematics        |
| D. General Education                  | J. Statistics         |
| E. Foreign Language and Culture       | K. Computing          |
| F. Great Issues                       |                       |

\* Consult the University Core Requirement [course list](#) for approved course.