

Program Progression Guides

Disclaimer: The [2024-2025 Purdue West Lafayette catalog](#) is considered the source for academic and programmatic requirements for students entering programs during the Fall 2024, Spring 2025, and Summer 2025 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 	
Required Major Program Courses		
Departmental specific requirements. 2.0 average GPA in CHEM classes required to graduate. Minimum 2.0 cumulative GPA		
College of Science Core Curriculum		
<ul style="list-style-type: none"> Written Communication– 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 Science, Technology & Society - 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. The College of Science has identified courses that are below the disciplinary level of each program and major area of study. While similar, Not Recommended course lists vary between departments.		

* This audit is not your academic transcript, and it is not an 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.

2024-25 Chemistry Degree Progression Guide

The Chemistry Department has suggested the following degree progression guide for the Chemistry 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.

Credit	Fall 1st Year	Prerequisite	Credit	Spring 2nd Year	Prerequisite
4-5	CHM 12500 (<i>fall only</i>) or 11500		4-5	CHM 12600 (<i>spring only</i>) or 11600	CHM 12500
4-5	MA 16100 or 16500	ALEKS 85	4-5	MA 16200 or 16600	MA 16100
1	CHM 19400		3-4	Science Core Option	
3-4	Science Core Option		3	Science Core Option	
0-3	Free Elective				
12-18			14-17		

Credit	Fall 2nd Year	Prerequisite	Credit	Spring 2nd Year	Prerequisite
3	CHM 26505 <i>fall only</i>	CHM 12600	3	CHM 26605 <i>spring only</i>	CHM 26505
1-2	Upper-Level Lab Selective	CHM 12600	0-2	Upper-Level Lab Selective	CHM 26500
3	STAT 30100		4	Physics 2 Selective	PHYS II & MA 16200
4	Physics 1 Selective	-	3	CHM 22400 <i>spring only</i>	CHM 12600
1	CHM 29400		3	Science Core Option	
0-3	Free Elective				
12-16			13-15		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
4	Analytical Selective	CHM 22400	3	Upper-Level Lecture Option	
4	CHM 24100 <i>spring only</i>		3	Science Core Option	
3	Science Core Option		3	Science Core Option	
3	Science Core Option		3	Science Core Option	
3	Free Elective		0-3	Free Elective	
16			13-16		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	CHM 37300 <i>fall only</i>	PHYS II	3	CHM 37400 <i>spring only</i>	CHM 37300
1	CHM 37301 <i>fall only</i>	CHM 37300	3	Science Core Option	
3	Science Core Option		3	Free Elective (300 level or above)	
3	Science Core Option		3	Free Elective	
3	Free Elective		0-3		
1	CHM 49400				
14			12-15		

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 ^{UC} General Education ^{UC} (3 courses needed) Foreign Language and Culture ^{UC} (3 courses needed) Science Technology and Society ^{UC}	Technical Writing and Presentation ^{UC} (COM 217 recommended) Statistics (STAT 30100 or 35000) Computing (CS 17700 or CS 15900) Great Issues

^{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.