PURDUE UNIVERSITY

Chemistry
College of Science

2025-2026
CHEM

Program Progression Guides

Disclaimer: The 2025-2026 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2025, Spring 2026, and Summer 2026 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.

<table>
<tr><th colspan="3">University Degree Requirements</th></tr>
<tr><td>Minimum 2.0 Cumulative GPA</td><td>Minimum 120 Credits that fulfill degree requirements</td><td>32 Residency Credits (30000 and above) at a Purdue University campus</td></tr>
<tr><th colspan="3">University Core Curriculum**</th></tr>
<tr><td colspan="2">Human Cultures: Behavioral/Social Science
Human Cultures: Humanities
Information Literacy
Oral Communication
University Core Curriculum
Course Listing</td><td>Quantitative Reasoning
Science
Science, Technology & Society Selective
Written Communication</td></tr>
<tr><th colspan="3">Required Major Program Courses</th></tr>
<tr><td colspan="3">Departmental specific requirements. 2.0 average GPA in CHEM classes required to graduate.
Minimum 2.0 cumulative GPA</td></tr>
<tr><th colspan="3">College of Science Core Curriculum</th></tr>
<tr><td>Written Communication– 3 credits
Technical Writing and Presentation - 3 credits
Teaming & Collaboration (NC)
General Education - 9 credits</td><td>Foreign Language & Culture – 9 credits
Great Issues - 3 credits
Laboratory Science - 8 credits
Science, Technology & Society - 3 credits</td><td>Mathematics - 6-10 credits
Statistics - 3 credits
Computing - 3 credits</td></tr>
<tr><th colspan="3">Degree Electives</th></tr>
<tr><td colspan="3">Any Purdue or transfer course approved to meet degree requirements in accordance with individual departmental policies.</td></tr>
</table>

* This audit is not your academic transcript, and it is not an official notification of completion of degree or certificate requirement.

** 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.

2025-26 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 *(fall only)* or 11510+11520		4-5	CHM 12600 *(spring only)* or 11610+11620	CHM 12500
4-5	MA 16100 or 16500	ALEKS 85	4-5	MA 16200 or 16600	MA 16100
1	CHM 19400 *fall only*		3-4	Science Core Option	
3-4	Science Core First-year Composition Option		3	Free Elective	
0-3	Free Elective				
12-18			**14-17**		

Credit	Fall 2nd Year	Prerequisite	Credit	Spring 2nd Year	Prerequisite
3	CHM 26505 *fall only*	CHM 12600	3	CHM 26605 *spring only*	CHM 26505
1-2	Lab Selective		0-2	Lab Selective	CHM 26500
3	STAT 30100		4	Physics 2 Selective	PHYS I & MA 16200
4	Physics 1 Selective	-	3	CHM 22404 *spring only*	CHM 12600
1	CHM 29400 *fall only*		3	Science Core Option	
3	Science Core Option				
15-16			**13-15**		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
0-4	Lab Selective - Analytical	CHM 22400	3	Upper-Level Lecture Option	
4	CHM 24100 *spring only*		3-4	Science Core Option – CS Option	
3	Science Core Option		3	Science Core Option	
3	Science Core Option		3	Science Core Option	
3	Free Elective		0-3	Free Elective	
13-17			**12-15**		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	CHM 37300 *fall only*	PHYS II	3	CHM 37400 *spring only*	CHM 37300
1	CHM 37301 *fall only*	CHM 37300	3-4	Lab Selective	
3	Science Core Option		3	Science Core Option	
3	Science Core Option		3	Free Elective (300 level or above)	
3	Free Elective		3	Free Elective	
1	CHM 49400				
14			**12-16**		

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]	Technical Writing and Presentation[UC] (COM 217 recommended)
General Education[UC] (3 courses needed)	Statistics (STAT 30100 or 35000)
Foreign Language and Culture[UC] (3 courses needed)	Computing (CS 17700 or CS 15900)
Science Technology and Society[UC]	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.