PURDUE UNIVERSITY

Science Education - Chemistry Concentration

College of Science

2025-2026
SIED-CHED

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 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 124 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 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.

2025-26 Science Education - Chemistry Concentration 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		2	EDCI 28500	
2	EDCI 20500		1	EDCI 35000	
1	EDST 20010		3	Science Core Option	
3	Science Core Option		4	Physics I Option	
15-17			**18-20**		

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	CHM 12600	0-2	Lab Selective	
3	STAT 30100		3	CHM 22404 *spring only*	CHM 12600
1	EDCI 20002	-	1	EDCI/EDPS 20001	
2	EDCI 37001		2	EDPS 23500	
1	EDPS 24800		1	EDPS 24000	
2	EDPS 36201		2	EDPS 26501	
4	Physics II Option		3	Science Core Option	
3	Science Core Option				
17-18			**15-17**		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
4	CHM 24100		3	Upper-Level Lecture Option	
0-4	Physical Selective		3-4	Physical Selective	
1	EDCI 27000		4	CS 17700	
1	EDCI 30900		3	Science Core Option	
3	Science Core Option		2-3	EDCI 42800 or EDCI 55800	
3	Science Core Option				
0-3	Free Elective				
15-19			**13-16**		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
4	Analytical Selective	CHM 22400	12	EDCI 49800 (student teaching)	
3	Biochemistry Selective	CHM 26605			
3	EDCI 42400				
1	EDPS 32700				
2	EDPS 43010				
3	Science Core Option				
16			**12**		

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.