

## Program Progression Guide

**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.

| 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   |   |   |
| Minimum 2.0 cumulative GPA.  |   |   |
| College of Science Core Curriculum   |   |   |
| <ul style="list-style-type: none"> <li>Written Communication: 3-4 credits</li> <li>Technical Writing and Presentation: 0-6 credits</li> <li>Computing</li> <li>Cultural Diversity: 0-9 credits</li> </ul>  | <ul style="list-style-type: none"> <li>General Education: 9 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: 3 credits</li> <li>Statistics</li> <li>Team-Building and Collaboration: 0-3 credits</li> </ul> |
| 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, <a href="#">Not Recommended course lists</a> vary between departments. |   |   |

\* 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.

## 2025-2026 Interdisciplinary Science – Concentration in Chemistry Degree Progression Guide

The College of Science has *suggested* the following degree progression guide for the Interdisciplinary Science – Concentration in 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.

| Credits      | Fall 1st Year                 | Prerequisite                              | Credits      | Spring 1st Year                | Prerequisite            |
|--------------|-------------------------------|---|--------------|--------------------------------|-------------------------|
| 3-5          | Calculus Option I             | ALEKS 85+ or SATM 670/ACTM 29 requirement | 3-5          | Calculus Option II             | Calculus I C- or higher |
| 3-4          | Science Core Option           |   | 3-4          | Science Core Option            |                         |
| 4-5          | General Chemistry Selective I | Co-req Calc; ALEKS of 75                  | 4-5          | General Chemistry Selective II | General Chemistry I     |
| 4            | Biology Selective I           |   | 3-4          | Biology Selective II           | Biology I               |
| 0-1          | Free Elective                 |   | 0-2          | Biology Selective II           |                         |
| <b>15-18</b> |                               |   | <b>15-18</b> |                                |                         |

| Credit       | Fall 2nd Year                | Prerequisite                              | Credits      | Spring 2nd Year               | Prerequisite  |
|--------------|------------------------------|---|--------------|-------------------------------|---------------|
| 4-5          | Organic Chemistry I with Lab | CHM 11600 or equivalent                   | 4-5          | Organic Chemistry II with Lab | Organic CHM I |
| 3-4          | Science Core Option          |   | 3-4          | Science Core Option           |               |
| 4            | Physics Selective I          | ALEKS 85+ or SATM 670/ACTM 29 requirement | 3            | Supporting Area Course        |               |
| 3-4          | Science Core Option          |   | 4            | Physics Selective II          | Physics I     |
| 1            | Free Elective                |   | 1            | Free Elective                 |               |
| <b>15-17</b> |                              |   | <b>15-17</b> |                               |               |

| Credit       | Fall 3rd Year                      | Prerequisite             | Credit       | Spring 3rd Year        | Prerequisite        |
|--------------|------------------------------------|--------------------------|--------------|------------------------|---------------------|
| 3            | Supporting Area Course             |                          | 3            | CHM 24100              | CHM 11600           |
| 3            | Supporting Area Course             |                          | 3-4          | EAPS Selective Course  | Lab Sci Selective I |
| 3            | STAT 30100/35000/35500/50300/51100 | Calculus II C- or higher | 3            | Supporting Area Course |                     |
| 3-4          | Science Core Option                |                          | 3            | CS 17700/15900/18000   |                     |
| 3            | Science Core Option                |                          | 3            | COM 21700              |                     |
| <b>15-16</b> |                                    |                          | <b>16-18</b> |                        |                     |

| Credit    | Fall 4th Year          | Prerequisite | Credit    | Spring 4th Year        | Prerequisite                            |
|-----------|------------------------|--------------|-----------|------------------------|---|
| 3         | Supporting Area Course |              | 4         | CHM 37200              | Calc II AND Chem II or organic AND PHYS |
| 3         | Science Core Option    |              | 3         | Science Core Option    |   |
| 3         | Great Issues Option    |              | 3         | Supporting Area Course |   |
| 3         | Free Elective          |              | 3         | Free Elective          |   |
| 3         | Free Elective          |              | 3         | Free Elective          |   |
| <b>15</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><br>Computing (CS 17700 or CS 15900)<br>Foreign Language and Culture <sup>UC</sup> (3 courses needed) | Technical Writing and Presentation <sup>UC</sup> (COM 217 recommended)<br>Science, Technology, and Society <sup>UC</sup><br>General Education <sup>UC</sup> (3 courses needed)<br>Great Issues |