

SAMPLE Four-Year Plan
B.S. Chemistry - Biochemistry Emphasis
FALL 2022 Requirements

The curriculum in the chemistry major is flexible and allows students to move through the coursework in many ways. This four-year plan illustrates one possible path a new freshman could take to complete a degree in four years. This is not an official document and is not the only way that a chemistry degree can be completed in four years. Current students should refer to their individual Academic Advising Report for specific graduation requirements. Courses in bold indicate major-based coursework that is completed in the first year.

First Year

Fall Semester	Units
English 101 Intro to College Writing and Reading	3
Math 142 College Algebra	4
Chemistry 102 General Chemistry I	5
Gened CORE 130 Individual and Society	3
Intrauniversity 104 New Student Seminar	1
Total Credits	16

Spring Semester	Units
English 102 Intro to College Writing, Reading, Research	3
Math 151 Trigonometry	3
Biology 141 Introductory Biology I	5
Chemistry 104 General Chemistry II	5
Total Credits	16

Notes: The math and English courses you will take during your first year will depend on UW System placement exam scores. This four-year plan reflects the math and English courses most common for students in this major. All students are encouraged to complete placement testing prior to attending Warhawks SOAR (Student Orientation, Advising, and Registration).

Opportunities: Joining a university-sponsored club and actively participating is strongly encouraged. Involvement in a club or activity will help you develop interpersonal skills, give you the opportunity to learn and practice leadership skills, and adds to your resume.

Second Year

Fall Semester	Units
Math 253 Calculus and Analytic Geometry I	5
Biology 142 Introductory Biology II	5
Chemistry 251 Organic Chemistry I	3
Chemistry 261 Organic Chemistry Laboratory I	2
Chemistry 184 Introduction to Chemistry	1
Total Credits	16

Spring Semester	Units
Math 254 Calculus and Analytic Geometry II	4
Chemistry 260 Inorganic Chemistry	4
Biology 251 Introduction to Genetics	4
Gened CORE 120 Historical or 140 Global Perspectives	3
PEGNRL 192 Personal Health and Fitness for Life	1
Total Credits	16

Notes: By completing the requirements of the Chemistry major, students complete the Bachelor of Science degree requirements. Though a minor is not required, many students in this major elect to complete a Mathematics minor. In addition to the math courses required in this major, students complete Math 255, 280 or 355, and six credits of math electives to complete the Mathematics minor.

Opportunities: Undergraduate research is not required as part of the chemistry program but is highly recommended for students who have an interest in attending graduate school in the future. Completing a directed research project with a faculty mentor has many benefits: it develops a student's critical thinking and writing abilities, signals to graduate school programs that a student is prepared for independent research of their own, and it can provide a student with financial support since many undergraduate research opportunities are paid.



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