

4 Year Academic Plan: Chemistry Professional Emphasis

The following is a **sample** outline demonstrating 4--year completion of this bachelor's degree. Each student's reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student's ACT/SAT scores. **PLEASE NOTE:** The following plan assumes students are prepared to take the Math course listed. If prerequisites are required, additional semesters may be required to complete degree.

*While every effort has been made to align this sample with departmental offerings and recommendations, **this is a GUIDE ONLY.** Please meet with your academic advisor and consult DegreeWorks for specifics.*

<p>1st Year Fall (15 credits)</p> <p>CHEM 1210/1215 Principles of Chemistry I/Lab (5) BIOL 1610/1615 General Biology I/Lab (4) MATH 1210 Calculus I (4) LM 1010 Information Literacy (1) EDGE 1010 Program Introduction (1)</p>	<p>1st Year Spring (16 credits)</p> <p>CHEM 1220/1225 Principles of Chemistry II/Lab (5) BIOL 1620/1625 General Biology II/Lab (4) MATH 1220 Calculus II (4) ENGL 1010 Intro to Academic Writing (3)</p>
<p>2nd Year Fall (17 credits)</p> <p>CHEM 2310/2315 Organic Chemistry I/Lab (5) CHEM 3000/3005 Quantitative Analysis (4) PHYS 2210/2215 Phys. for Scien. & Eng. I/Lab (5) CSIS 1000 Computer Literacy (3)</p>	<p>2nd Year Spring (16 credits)</p> <p>CHEM 2320/2325 Organic Chemistry II/Lab (5) CHEM 4230 Instrumental Analysis (3) PHYS 2220/2225 Phys. for Scien. & Eng. II/Lab (5) ENGL 2010 Intermediate Writing (3)</p>
<p>3rd Year Fall (14 credits)</p> <p>CHEM 3160 Inorganic Chemistry (3) CHEM 3610/3615 Physical Chemistry I/Lab (4) MATH 2210 Calculus III (4) American Institutions Course (3)</p>	<p>3rd Year Spring (14 credits)</p> <p>CHEM 3620/3625 Physical Chemistry II/Lab (4) CHEM 4160/4165 Advan. Inorganic Chem./Lab (4) CHEM 4240 Analysis Lab (2) MATH 2270 Linear Algebra (3) EDGE 30XX Project Proposal* (1)</p>
<p>4th Year Fall (13 credits)</p> <p>CHEM 4110 Biochemistry I (4) CHEM 4250 Synthesis Lab (2) Fine Arts Knowledge Area (3) Humanities Knowledge Area (3) EDGE 40XX Program Completion* (1)</p>	<p>4th Year Spring (14 credits)</p> <p>CHEM 4120 Biochemistry II (4) CHEM 4990 Chemistry Literature/Seminar (1) MATH 2280 Differential Equations (3) Social and Behavioral Sciences Knowledge Area (3) Upper Division Elective (3)</p>

Color Key:

General Education Courses (green)

Major---required courses that also fulfill GE requirement (purple)

Major Courses (black)

Electives/minor/etc. (red)

EDGE Program Courses (orange)

Other Notes:

➤ (*) indicates other available options—see catalog