

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 prerequisite/remedial courses are required, additional semesters may be required to complete degree.

This is a GUIDE ONLY. Please meet with your academic advisor and consult DegreeWorks for specifics.

1st Year Fall 20 (16 credits)					1st Year Spring 21 (16 credits)				
CHEM	1210/15	Principles of Chemistry I/Lab	5	F/S/Su	CHEM	1220/25	Principles of Chemistry II/Lab	5	F/S/Su
MATH	1210	Calculus I	4	F/S/Su	MATH	1220	Calculus II	4	F/S/Su
BIOL	1610/15	General Biology I/Lab	4	F/S/Su	BIOL	1620/25	General Biology II/Lab	4	F/S/Su
XXXX	XXXX	Fine Arts GE	3	F/S/Su	ENGL	1010	Introduction to Academic Writing	3	F/S/Su
2nd Year Fall 21 (16 credits)					2nd Year Spring 22 (14 credits)				
CHEM	2310/15	Organic Chemistry I/Lab	5	F/S/Su	CHEM	2320/25	Organic Chemistry II/Lab	5	F/S/Su
PHYS	2210/15	Physics for Sci. & ENGR I/Lab	5	F/S/Su	PHYS	2220/25	Physics for Sci. & ENGR/Lab	5	F/S
XXXX	XXXX	American Institutions GE	3	F/S/Su	ENGL	2010	Intermediate Writing	3	F/S/Su
XXXX	XXXX	Social & Behav. Science GE	3	F/S/Su	INFO	1010	Information Literacy	1	F/S/Su
3rd Year Fall 22 (15 credits)					3rd Year Spring 23 (17 credits)				
CHEM	3160	Intermediate Inorganic Chem.	3	F	CHEM	4160/65	Adv. Inorganic Chemistry/Lab	4	S-odd
CHEM	3610/15	Physical Chemistry I/Lab	4	F	CHEM	3620/25	Physical Chemistry II/Lab	4	S
MATH	2210	Calculus III	4	F/S	CHEM	4230	Instrumental Analysis	3	S
XXXX	XXXX	UD Electives	4	F/S/Su	MATH	2270	Linear Algebra	3	F/S/Su
					XXXX	XXXX	Elective	3	F/S/Su
4th Year Fall 23 (16 credits)					4th Year Spring 24 (14 credits)				
CHEM	4110	Biochemistry I	4	F/Su	CHEM	4120	Biochemistry II	4	S
CHEM	4250	Synthesis Lab	2	F/Su	CHEM	4990	Chemistry Literatary/Seminar	1	S
CHEM	3000/05	Quantitative Analysis/Lab	4	F	MATH	2280	Differential Equations	3	S
XXXX	XXXX	Humanities GE	3	F/S/Su	CHEM	4240	Analysis Lab	2	S/Su
XXXX	XXXX	UD Electives	3	F/S/Su	XXXX	XXXX	UD Electives	4	F/S/Su

Color Key:

General Education Courses (green)

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

Major Courses (black)

Electives/minor/etc. (red)