

4-Year Academic Plan: Chemistry: Health Care 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	American Institutions	3	F/S/SU	ENGL	1010	Introduction to Academic Writing	3	F/S/Su
2nd Year Fall 21 (14 credits)					2nd Year Spring 22 (17 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	BIOL	3310/15	Cellular & Molecular Biology/Lab	4	S
ENGL	2010	Intermediate Writing	3	F/S/Su	PHYS	2220/25	Physics for Sci. & ENGR/lab	5	F/S/Su
INFO	1010	Information Literacy	1	F/S/Su	XXXX	XXXX	UD Electives/Minor Classes	3	F/S/Su
3rd Year Fall 22 (13 credits)					3rd Year Spring 23 (14 credits)				
CHEM	4110	Biochemistry I	4	F/Su	CHEM	4120	Biochemistry II	4	S
CHEM	3160	Inorganic Chemistry	3	F	BIOL	3060/65	Genetics	4	F/S/Su
CHEM	4540	Selected Topics (Medicinal)	3	F-Even	XXXX	XXXX	Free Electives/Minor Classes	3	F/S/Su
XXXX	XXXX	Fine Arts GE	3	F/S/Su	XXXX	XXXX	UD Electives/Minor Classes	3	F/S/Su
4th Year Fall 23 (17 credits)					4th Year Spring 24 (13 credits)				
CHEM	3610/15	Physical Chemistry I/Lab	4	F	CHEM	4230	Instrumental Analysis	3	S
CHEM	3000/05	Quantitative Analysis/lab	4	F	CHEM	4990	Chemistry Literatary/Seminar	1	S
XXXX	XXXX	Humanities GE	3	F/S/Su	CHEM	4240	Analysis Labratory	2	S/Su
XXXX	XXXX	Free Electives/Minor Classes	3	F/S/Su	XXXX	XXXX	Social & Behav. Science GE	3	F/S/Su
XXXX	XXXX	Free Electives/Minor Classes	3	F/S/Su	XXXX	XXXX	Free Electives/Minor Classes	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)