

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 (15 credits)					1st Year Spring (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
BIOL	1610/15	General Biology I/lab	4	F/S/Su	BIOL	1620/25	General Biology II/lab	4	F/S/Su
LM	1010	Information Literacy	1	F/S/Su	ENGL	1010	Introduction to Academic Writing	3	F/S/Su
EDGE	1010	Program Introduction	1	F/S/Su					
2nd Year Fall (17 credits)					2nd Year Spring (16 credits)				
CHEM	2310/15	Organic Chemistry I/lab	5	F/S/Su	CHEM	2320/25	Organic Chemistry II/lab	5	F/S/Su
CHEM	3000/05	Quantitative Analysis/lab	4	F	CHEM	4230	Instrumental Analysis	3	S(even)
PHYS	2210/15	Physics for Sci. & ENGR I/lab	5	F/S/Su	PHYS	2220/25	Physics for Sci. & ENGR/lab	5	F/S
CSIS	1000	Computer Literacy	3	F/S/Su	ENGL	2010	Intermediate Writing	3	F/S/Su
3rd Year Fall (14 credits)					3rd Year Spring (14 credits)				
CHEM	3160	Inorganic Chemistry	3	F(even)	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	4240	Analysis Lab	2	S
		American Institutions	3	F/S/Su	MATH	2270	Linear Algebra	3	F/S
					EDGE	3xxx	EDGE Project Proposal	1	F/S/Su
4th Year Fall (13 credits)					4th Year Spring (14 credits)				
CHEM	4110	Biochemistry I	4	F/Su	CHEM	4120	Biochemistry II	4	S/Su
CHEM	4250	Synthesis Lab	2	F(odd)	CHEM	4990	Chemistry Literatury/Seminar	1	S
		Fine Arts Knowledge Area	3	F/S/Su	MATH	2280	Differential Equations	2	S
		Humanities Knowledge Area	3	F/S/Su			Soc & Beh Sciences Knowledge Area	3	F/S/Su
EDGE	4xxx	EDGE Program Completion	1	F/S/Su			UD Electives	4	F/S/Su

Color Key:

General Education Courses (green)

EDGE Program Courses (orange)

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

Major Courses (black) Electives/minor/etc. (red)