CHEM: Professional Chemistry (with American Chemical Society Certification) Academic Map

Name:_	
ID:	

This academic map is a suggested four-year schedule of courses based on degree requirements in the GGC catalog. This sample schedule serves as a general guideline to help build a full schedule each term. *Missing milestones could delay your program.*

FRESHMAN FALL		FRESHMAN SPRING			FRESHMAN SUMMER		
Course	Hours	Course	Hours	Course		Hours	
☐ ENGLISH COMPOSITION 1 ENGL 1101	3	☐ ENGLISH COMPOSITION 2 ENGL 1102	3	٠	Suggest summer classes if unable to fulfill given classes		
☐ PRE-CALCULUS MATH 1113	4	☐ CALCULUS 1 MATH 2200	4	•	Must complete Principles of Chemistry in Freshman Year		
☐ PRINCIPLES OF CHEMISTRY 1 CHEM 1211K	4	PRINCIPLES OF CHEMISTRY 2 CHEM 1212K	4				
U.S. HISTORY HIST 2111 OR 2112	3	SOCIAL SCIENCE PSYC 1102/SOCI 1101/ANTH 1102/ECON 2100	3				
CHOICES FOR LIFE PHED 1101	1	☐ PHYSICAL EDUCATION Any PHED except 1101	1				
TOTAL RUNNING TOTAL	15 15	TOTAL RUNNING TOTAL	15 30				
SOPHOMORE FALL		SOPHOMORE SPRING		SOPHOMORE SUMMER			
PHYSICS 1 PHYS 2211K	4	☐ INTRODUCTION TO COMPUTING ITEC 1001	4	•	Suggest summer classes if unable to fulfill given classes		
☐ CALCULUS 2 MATH 2210	4	☐ ORGANIC CHEMISTRY 2 CHEM 2212K	4	•	Must complete Organic Chemistry in Sophomore Year		
GRGANIC CHEMISTRY 1 CHEM 2211K	4	□ PHYSICS 2 PHYS 2212K	4	٠	Consider science-related extracurricular activities or summer research experiences		
☐ ANALYTICAL CHEMISTRY CHEM 3000K	4	☐ AMERICAN GOVERNMENT POLS 1101	3	•	Contact STEC 2500 advisor for research (if applicable)		
TOTAL RUNNING TOTAL	16 46	TOTAL RUNNING TOTAL	15 61				
JUNIOR FALL		JUNIOR SPRING			JUNIOR SUMMER		
☐ BIOCHEMISTRY BCHM 3100K	4	☐ PHYSICAL CHEMISTRY 2 CHEM 4202K	4	•	Suggest summer classes if unable to fulfill given classes		
HUMANITIES / FINE ARTS 1 MUSC 1100 / ARTS 1100 / ENGL 21XX / FILM 1005 / THEA 1100	3	☐ ELECTIVE 1000-4000 level	2	٠	Take GRE or other pre- professional exam in summer		
☐ INSTRUMENTAL CHEMISTRY CHEM 4100K	4	☐ HUMANITIES / FINE ARTS 2 REIN 1100 / GEOG 1101 / 2000-LEVEL FOREIGN LANGUAGE	3	٠	Compile list of prospective professional schools		
☐ PHYSICAL CHEMISTRY 1 CHEM 4201K	4	☐ INORGANIC CHEMISTRY CHEM 3100K	4	٠	Consider science-related extracurricular activities or summer research experiences		
		PHYSICAL EDUCATION Any PHED except 1101	1	•	Contact STEC 4500 advisor for research		
TOTAL RUNNING TOTAL	15 76	TOTAL RUNNING TOTAL	15 91	٠	Draft resume/CV		
SENIOR FALL SENIOR SPRING							
☐ INTEGRATED CHEMISTRY LAB 1 CHEM 4701	2	☐ ITEC 2XXX ITEC 2110 or 2120	4	٠	Present research project at local, regional, or national conference (as applicable)		
☐ RESEARCH STEC 4500	3	☐ INTEGRATED CHEMISTRY LAB 2 CHEM 4702	2	•	Review resume/CV with Career Services and/or advisor Apply for professional school (in early fall)		
☐ 3000/4000 ELECTIVE BCHM, BIOL, CHEM, MATH, PHYS	4	☐ 3000/4000 ELECTIVE BCHM, BIOL, CHEM, MATH, PHYS	4				
HISTORY HIST 1111, 1112, 1121, 1122, 2111, or 2112 (take one of these courses not already completed)	3	☐ ELECTIVE 1000-4000 LEVEL	2				
☐ ELECTIVE 1000-4000 LEVEL	4	☐ 3000/4000 ELECTIVE BCHM, BIOL, CHEM, MATH, PHYS	3		Graduation in May!		
TOTAL RUNNING TOTAL	16 107	TOTAL RUNNING TOTAL	16 123		3. 223.233 		

This map is not a substitute for academic advisement—contact your advisor if you have any questions about scheduling or about your degree requirements. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. *Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information. Specific summer courses may not be offered as planned. Created based on the GGC Concentration requirements.*04.22-v1