UNION
COLLEGE

Chemistry Major
Bachelor of Arts Curriculum Plan
44-48 Hours

_____ _____ _____
Student ID# Advisor

Chemistry Major (44-48 Hours)

	Course	Hours	Transfer/Substitution/Notes	Final Grade
	CHEM 121: General Chemistry I	4		
	CHEM 122: General Chemistry II	4		
	CHEM 212: Analytical Chemistry	4		
	CHEM 311: Organic Chemistry I	5		
	CHEM 314: Physical Chemistry Lab	1		
	CHEM 411: Inorganic Chemistry	4		
	MATH 241: Differential Calculus & Analytic Geometry	4		
	GNSC 471: Science Seminar	1		
Students will complete one of the following Physical Chemistry courses.				
	CHEM 313: Descriptive Physical Chemistry	3		
	CHEM 332: Physical Chemistry*	3		
	PHYS 331: Heat & Thermodynamics*	3		
Students will complete two semesters of Physics with lab courses: either the College Physics Track or the General Physics Track.				
	College Physics Track (algebra based)			
	PHYS 111: College Physics I	3		
	PHYS 112: College Physics II	3		
	PHYS 113: College Physics Lab I	1		
	PHYS 114: College Physics Lab II	1		
	OR			
	General Physics Track (calculus based)			
	PHYS 211: General Physics I*	4		
	PHYS 212: General Physics II*	4		
	PHYS 213: Gen. Physics Lab I	1		
	PHYS 214: Gen. Physics Lab II	1		
Students will complete 6 to 8 credit hours of electives from Chemistry, Physics, or MATH (MATH 132 or higher).				
	Elective 1:			
	Elective 2:			

* **Students should be aware that these courses have Math prerequisites beyond MATH 241.**