

**VIRGINIA UNION UNIVERSITY
CHEMISTRY MAJOR**

Fall				Spring			
Course Code	Course Title	Freshman Year		Course Code	Course Title	Credits	Annual Credits
		Credits					
SCI 152	Introductory Chemistry	4*		CHE 101	General Chemistry I	4	
MAT 100	Intro Algebra	3**		BIO 112	General Biology I	4	
BIO 111	General Biology I	4		MAT 115	College Algebra	3	
ENG 101	Freshman Comp I	3		ENG 102	Freshman Comp II	3	
HLH 101	Personal Health	1		PED 101	Physical Education	1	
GST 004	Freshman Orientation	1					
	Total Credits	13			Total Credits	15	28
		Sophomore Year					
CHE 102	General Chemistry II	4		CHE 201	Quantitative Analysis	4	
MAT 170	Pre-Calculus	4		MAT 175	Pre-Calc with Trig	4	
ELECT	Literature Elective	3		ELECT	Literature Elective	3	
ELECT	Foreign Language	3		ELECT	Foreign Language	3	
ELECT	Social Science Elective	3		ELECT	Afr. Am. Heritage Elective	3	
	Total Credits	17			Total Credits	17	34
		Junior Year					
CHE 210	Organic Chemistry I	4		CHE 211	Organic Chemistry II	4	
MAT 214	Anal. Geom & Calculus I	4		MAT 216	Anal. Geom & Calculus II	4	
PHY 251	University Physics I	4		PHY 252	University Physics II	4	
ELECT	Social Science Elective	3		ELECT	Social Science Elective	3	
ELECT	Fine Arts Elective	2 or 3		ELECT	History Elective	3	
	Total Credits	17			Total Credits	18	35
		Senior Year					
CHE 310	Physical Chemistry I	4		CHE 311	Physical Chemistry II	4	
CHE 380	Inorganic Chemistry	3		CHE 433	Qual. Organic Analysis	4	
CHE 415	Adv. Organic Chemistry	3		CHE 450	Senior Research Seminar	4	
MAT 201	Elementary Statistics	3		CHE 300	Biochemistry	4	
CSC 200	Intro to Computer Science	3					
	Total Credits	16			Total Credits	16	32
	Total minimum hours required for degree completion			125 - 129			

*Only required if student is to take MAT 100.

**Mathematics placement exam is required. MAT 100 does not count toward Chemistry Program of Study.