

B.S. Chemistry Degree (ACS Certified)*

A Four Year Outline

FALL				SPRING			
FIRST YEAR							
CH1150 University Chemistry I	AND	3	CH1160 University Chemistry II	AND	3		
CH1151 University Chemistry Lab I	AND	1	CH1161 University Chemistry Lab II	AND	1		
CH1153 University Chemistry I Recitation		1	CH1163 University Chemistry II Recitation		1		
	OR			OR			
CH1112 University Chem-Studio Lab I		5	CH1122 University Chem-Studio Lab II		5		
CH1130 Orientation		1	MA2160 Calculus with Technology II		4		
PH1100 Physics by Inquiry I		1	PH1200 Physics by Inquiry II		1		
MA1160 Calculus with Technology I		4	PH2100 University Physics I-Mechanics		3		
UN1001 Perspectives on Inquiry		3	UN1002 World Cultures		4		
TOTAL		14	TOTAL		17		
SECOND YEAR							
CH2410 Organic Chemistry I		3	CH2420 Organic Chemistry II		3		
CH2411 Organic Chemistry Lab I		1	CH2421 Organic Chemistry Lab II		2		
PH2200 University Physics II – E&M		3	CH2212 Quantitative Analysis		5		
MA2321 Elementary Linear Algebra		2	MA3160 Multivariable Calculus with Technology		4		
MA3521 Elementary Differential Equations		2	UN2001 Composition		3		
UN2002 Institutions		3					
General Education Distribution		3					
TOTAL		17	TOTAL		17		
THIRD YEAR							
CH3510 Physical Chemistry I		3	CH3520 Physical Chemistry II		3		
CH3511 Physical Chemistry Lab I		2	CH3521 Physical Chemistry Lab II		2		
CH4212 Instrumental Analysis		5	**Required Elective		3		
CH4710 Biomolecular Chemistry I		3	Free Electives		3		
General Education Distribution		3	General Education Distribution		6		
TOTAL		16	TOTAL		17		
FOURTH YEAR							
CH4310 Inorganic Chemistry I		3	CH4910 Chemistry Seminar		1		
CH4311 Inorganic Chemistry Laboratory		2	Free Electives		11		
Free Electives		10	General Education Distribution		3		
TOTAL		15	TOTAL		15		
GRAND TOTAL = 128 Credits							

* For the Chemistry Options (Secondary Education, Chemical Physics, Environmental, Biochemistry, and Polymers) additional courses are required to fulfill the degree in those options.

** Required Elective must be chosen from the specified list. CH4990 (Undergraduate research) is strongly recommended, but it must be taken for two semesters for a minimum of 6 credits.

NOTE: 3 Units of co-curricular activities are required (P.E. courses are taught in 0.5 unit classes. Thus, 6 of these are needed for 3 units). It is highly recommended that students take at least one P.E. class during each semester of their first year, if possible.