

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 OR 1	CH1163 University Chemistry II Recitation OR 1
CH1112 University Chem-Studio Lab I 5	CH1122 University Chem-Studio Lab II 5
CH1130 Orientation 1	MA2160 Calculus II 4
PH1100 Physics by Inquiry I 1	PH1200 Physics by Inquiry II 1
MA1160 Calculus I 4	PH2100 University Physics I-Mechanics 3
UN1001 Perspectives 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 4
MA3521 Elementary Differential Eq. 2	UN2001 Revisions 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 Senior Seminar II 1
CH4311 Inorganic Chemistry Laboratory 2	Free Electives 11
CH4900 Senior Seminar I 1	General Education Distribution 3
Free Electives 9	
TOTAL 15	TOTAL 15
GRAND TOTAL = 128 Credits	

* For the Chemistry Options (Chemical 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.