B.S. Chemistry Curriculum

Freshman Year

First Semester			Credits	Second Semester			Credits
CAS	101	Intro to Arts & Sci	1	CHM	156	Modern Chemical Principles II	3
CHM	155	Modern Chemical Principles I	3	CHM	164	Intro to Chemistry Lab II	1
CHM	163	Intro to Chemistry Lab I	1	CHM	170	Descriptive Inorganic Chemistry	3
ENL	101	Critical Writ & Read I	3	ENL	102	Critical Writ & Read II	3
MTH	151	Calculus I	4	MTH	152	Calculus II	4
University Studies/Humanity/Social Sci			3				
			15				**14**

Sophomore Year

First Semester			Credits	Second Semester			Credits
CHM	251	Organic Chemistry I	3	ENL	200+	Literature course	3
CHM	265	Organic Chemistry Lab I	2	CHM	252	Organic Chemistry II	3
CHM	204	Intro to Analytical Chem	3	CHM	266	Organic Chemistry Lab II	2
MTH	211	Anal Geom & Calculus III	4	PHY	114	Classical Physics II	4
PHY	113	Classical Physics I	4	University Studies/Humanity/Social Sci			3
			16				**15**

Junior Year

First Semester			Credits	Second Semester			Credits
CHM	305	Modern Methods of Chem Anal	3	CHM	316	Physical Chemistry II	4
CHM	307	Procedures of Chem Anal	2	CHM	318	PChem Measurements I	2
CHM	315	Physical Chemistry I	4	CHM	416	Bioinformatics	1
CHM	411	Biochemistry I	3	CHM	424	Math Methods in Phys Sci	2
				ENL	200+	Literature	3
University Studies/Humanity/Social Sci			3	University Studies/Humanity/Social Sci			3
			15				**15**

Senior Year

First Semester			Credits	Second Semester			Credits
CHM	319	PChem Measurements II	2	CHM	402	Chemistry Seminar	0.5
CHM	401	Chemistry Seminar	0.5	CHM	400+	Chem Elective	3
CHM	431	Inorganic Chemistry	3	CHM	400+	Chem Elective	3
CHM	433	Inorganic Chem Lab	1	CHM	499	Capstone in Chemistry	4 – 6*
Free electives and/or Research			6	University Studies/Humanity/Social Sci			3
University Studies/Humanity/Social Sci			3				
			15.5				**13.5-15.5**

*Up to 6 credits can be taken as needed to meet 120 credit graduation requirement

Revised 4/2020