

Chemistry – B.S. (CHEM)

Recommended Four-Year Plan (Fall 2015)

This recommended four year plan is provided as an **outline** for students to follow in order to complete their degree requirements within four years. This plan is a **recommendation** and students should only use it in consultation with their academic advisor.

Students should be aware that this plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which do not appear on the four year plan.

First Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 120 General Chemistry I (Gen Ed Nat/Sci)	4		CHEM 121 General Chemistry II	4	
CHEM 190 Fresh. Seminar in Chemistry	1		MATH 221 Calculus II	4	
MATH 122 Calculus I	4		World Languages	3	
World Languages	3		ENWR 106 College Writing II	3	
ENWR 105 College Writing I	3		General Ed. - Fine & Performing Arts	3	
TOTAL	15		TOTAL	17	

Second Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 230 Organic Chemistry I	3		CHEM 231 Organic Chemistry II	3	
CHEM 232 Exper. Organic Chemistry I	2		CHEM 233 Exper. Organic Chemistry II	2	
PHYS 191 University Physics I (Gen Ed L)	4		PHYS 192 University Physics II	4	
CSIT 100 Intr. to Comp. Applications	3		CMST 101 Fundamentals of Speech	3	
CHEM 220 Descriptive Inorganic Chemistry	3		CHEM 310 Analytical Chemistry	5	
TOTAL	15		TOTAL	17	

Third Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 340 Physical Chemistry I	3		CHEM 341 Physical Chemistry II	3	
CHEM 370 Biochemistry I	3		CHEM 343 Experimental Physical Chemistry	2	
CHEM 372 Experimental Biochem I	2		General Ed. - Philosophy/Religion	3	
General Ed. – World Lit./Gen. Humanities	3		General Ed. – Social Science	3	
Free Elective	3		General Ed. – Health/Physical Education	1	
			CHEM Lab Elective (CHEM 498 or 499)	1-3	
TOTAL	15		TOTAL	13-15	

Fourth Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
Free Elective	3		CHEM 311 Instrumental Analysis	4	
CHEM Elective (see dept list section 5)	3		CHEM 495 The Chemical Literature	1	
General Ed. – American/European History	3		General Ed.- Non-Western Cult. Persp	3	
World Cultures	3		CHEM Elective (see dept list section 5)	3	
CHEM Lab Elective (CHEM 499)	1-2		CHEM Lab Elective (CHEM 499)	1-2	
			Free Elective	3	
TOTAL	13-14		TOTAL	15-16	

Total Required: 120 credits