

Biochemistry – B.S. (BICM)

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)	4		CHEM 121 General Chemistry II	4	
CHEM 190 Freshman Seminar in Chem.	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 Elective)	4		PHYS 192 University Physics II	4	
CSIT 100 Intro to Computer Applications	3		CMST 101 Fundamentals of Speech	3	
CHEM 310 Analytical Chemistry	5		BIOL 230 Cell and Molecular Biology	4	
TOTAL	17		TOTAL	16	

Third Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 340 Physical Chemistry I	3		CHEM 347 Biophysical Chemistry	3	
CHEM 370 Biochemistry I	3		CHEM 371 Biochemistry II	3	
CHEM 372 Experimental Biochemistry I	2		CHEM 373 Experimental Biochemistry II	3	
BIOL 380 Genetics	4		World Cultures	3	
General Ed. – Social Science	3		General Ed. – Health/Physical Education	1	
TOTAL	15		TOTAL	13	

Fourth Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
Free Elective	3		CHEM 495 The Chemical Literature	1	
BIOL 350 Microbiology	4		BIOL 434 Introduction to Molecular Biology	3	
Free Elective	3		General Ed. - Philosophy/Religion	3	
General Ed.- Non-Western Cult. Persp	3		General Ed. – American/European History	3	
			General Ed. – World Lit./Gen. Humanities	3	
			Free Elective	1	
TOTAL	13		TOTAL	14	

Total Required: 120 credits