

Required Curriculum
Chemistry Major with the Biochemistry Option

ACS Certified B.S. in Chemistry, Biochemistry Option		Credits	
First Year		F	S
Biol. 150	General Biology	3	
Biol. 150L	General Biology Laboratory	1	
Chem 150, 151	Principles of Chemistry I, II	3	3
Chem 160, 161	Principles of Chemistry I, II Labs	1	1
Comm 110	Fundamentals of Public Speaking		3
Engl. 120	College Composition	3	
Math 165, 166	Calculus I, II	4	4
Gen. Ed. Electives	Wellness, General Education Electives		5
		15	16
Second Year			
Chem 341, 342	Organic Chemistry I, II	3	3
Chem 353, 354	Organic Chemistry I, II Majors Labs	1	2
Math 128	Introduction to Linear Algebra	1	
Math 259**, 266	Calculus III, Intro. To Differential Eq.	3	3
Phys 251, 252	University Physics I, II	4	4
Phys 251L, 252L	University Physics Laboratory I, II	1	1
Gen. Ed. Electives*	General Ed. Electives	3	3
		16	16
Third Year			
Chem. 364, 365	Physical Chemistry I, II	3	3
Chem. 471	Physical Chemistry Laboratory		2
Chem 431, 431L	Analytical Chemistry I and Lab	5	
Chem 380	Chemistry Junior Seminar		1
Bioc 460,461	Found. Of Biochem. I , II	3	3
Bioc 460L	Found. Of Biochem I Lab	1	
Micr 350, 350L	Microbiology and Laboratory	4	
Engl. 324	Writing in the Sciences		3
Gen. Ed. Electives*	General Education Electives	0	3
		16	15
Fourth Year			
Bioc. 473	Methods in Biochemical Research	3	
Bioc. 474	Methods of Recombinant DNA Tech.		3
Chem 491	Chemistry Senior Seminar		2
Chem 425	Inorganic Chemistry	3	
Chem 429	Inorganic Chemistry Laboratory	2	
Biol. Sci. Electives***		3	3
Gen. Ed. Electives*	General Education Electives	3	6
		14	14

SAMPLE CURRICULUM TOTAL **122**

*Electives must include 18 credits in humanities and social sciences; six of these must be in humanities/fine arts, and six in social sciences. In addition, three credits must have a global perspective and three must be in the cultural diversity category.

**MATH 265 may be substituted for MATH 259.

*** Biological Science electives include Bio 351 (L), Biol 364, Bot 380, Zoo 370, and Micr 352.