

BACHELOR OF SCIENCE (120 cr. hours)**Biochemistry College of Liberal Arts and Sciences****4-Year Degree Plan [sample]****YEAR ONE**

Fall Semester (14 cr. hours)		credits	grade
	CHEM-C 105 Principles of Chemistry I	3	
	CHEM-C 125 Experimental Chemistry I	2	
FL Quantitative Reasoning	MATH-M 115 Precalculus and Trigonometry	5	
FL Writing	ENG-W 131 Elementary Composition 1	3	
FL Information Literacy	COAS-Q 110 Introduction to Information Literacy	1	

Spring Semester (13 cr. hours)

	CHEM-C 106 Principles of Chemistry II	3	
	CHEM-C 126 Experimental Chemistry II	2	
	BIOL-L 102 Introduction to Biological Sciences 2	5	
CC Common Core Course		3	

YEAR TWO

Fall Semester (16 cr. hours)		credits	grade
	CHEM-C 341 Organic Chemistry Lectures 1	3	
	CHEM-C 343 Organic Chemistry Laboratory 1	2	
	MATH-M 215 Calculus I	5	
FL Fundamental Literacies	Critical Thinking	3	
FL Fundamental Literacies	Computer Literacy	3	

Spring Semester (16 cr. hours)

	CHEM-C 342 Organic Chemistry Lectures 2	3	
	CHEM-C 344 Organic Chemistry Laboratory 2	2	
	MATH-M 216 Calculus II	5	
FL Oral Communication	SPCH-S 121 Public Speaking	3	
	Foreign Language 102	3	

FL Fundamental Literacies CSV Contemporary Social Values CC Common Core* (at least one Common Core class must be at the 300 level).

At the end of the second year, the student's file will be reviewed by the LAS faculty for official acceptance as a declared major in the area.

Students must complete at least 30 credit hours in 300 or 400 level courses.

YEAR THREE

Fall Semester (16 cr. hours)		credits	grade
	CHEM-C 484 Biomolecules and Catabolism	3	
	CHEM-C 486 Biological Chemistry Laboratory	2	
	PHYS-P 221 Physics 1	5	
	BIOL-L 211 Molecular Biology	3	
	Foreign Language 203	3	

Spring Semester (16 cr. hours)

	CHEM-C 485 Biosynthesis and Physiology	3	
	PHYS-P 222 Physics 2	5	
	BIOL-L 312 Cell Biology	3	
CC Common Core Course		3	
CSV Contemporary Social Values	Health and Wellness	2	

YEAR FOUR

Fall Semester (15 cr. hours)		credits	grade
	CHEM-C 361 Physical Chemistry of Bulk Matter	3	
	Chemistry or Biology Elective 1	3	
	Chemistry or Biology Elective 2	3	
CSV Contemporary Social Values	Non-Western Cultures	3	
	Common Core	3	

Spring Semester (14 cr. hours)

	BIOL-L XXX Biology Elective 3	3	
	CHEM-C 301 Chemistry Seminar 1	1	
	Common Core	3	
FL Fundamental Literacies	Visual Literacy	3	
CSV Contemporary Social Values	Diversity in United States Society	3	
	Elective	1	