



## SAMPLE FOUR-YEAR PLAN FOR BIOCHEMISTRY

Updated: March 2010

## JANUARY TERM

Students admitted Fall 2007 or later are required to complete a minimum of two January terms.		CR
Transfer students who transfer in 40 credits or more are required to complete at least one January term.		
Elective course		3
Elective course		3

## FIRST YEAR FALL SEMESTER

## FIRST YEAR SPRING SEMESTER

Title	CR	Title	CR
LIB 100 Modes of Inquiry	3	Writing requirement (LIB 105 or ENG 111) or speaking requirement (LIB 110)	3
Writing requirement (LIB 105 or ENG 111) or speaking requirement (LIB 110)	3	150 Calculus of One Variable I, or 160 Calculus of One Variable II required for major	4
150 Calculus of One Variable I, or 160 Calculus of One Variable II required for major	4	CHE 112 General Chemistry II	4
CHE 111 General Chemistry I	4	If premed BIO 116 Principles of Biology II. If not premed general elective	3-4
BIO 115 Principles of Biology I	4		

## SOPHOMORE YEAR FALL SEMESTER

## SOPHOMORE YEAR SPRING SEMESTER

Title	CR	Title	CR
LIB 220 Democracy & Global Diversity or Catholic tradition (LIB 130 or 135)	3	LIB 220 Democracy & Global Diversity or Catholic tradition (LIB 130 or 135)	3
CHE 233: Organic Chemistry I	4	BIO 250: Genetics	4
Choose one: PHY 110 Elements of Physics I(prerequisite MAT 117) or PHY 223 Physics for Scientists & Engineers (prerequisite L.MAT 150; corequisite L.MAT 160 or above)	4-5	CHE 234: Organic Chemistry II	5
If premed BIO 279 Experimental Design recommended	4	Choose one: PHY 111 Elements of Physics if completed PHY 110 or PHY 224 Physics for Scientists & Engineers if completed PHY 223	4-5

## JUNIOR YEAR FALL SEMESTER

## JUNIOR YEAR SPRING SEMESTER

Title	CR	Title	CR
CHE 225 Quantitative Analysis	4	Advanced General Education course	3
CHE 389 Junior Seminar	1	CHE 389 Junior Seminar continued	0
If even year CHE 335 Intro Biochemistry, If odd year elective	4	BIO 410 Cell & Molecular Biology	4
If premed BIO 420 Vertebrate Physiology. If not premed general elective	3-4	LIB 305 Portfolio	1
General Education Advanced course	3	If odd year CHE 448 Advanced Biochemistry , if even year CHE 350	4
		Advanced General Education elective	3-4

## SENIOR YEAR FALL SEMESTER

## SENIOR YEAR SPRING SEMESTER

Title	CR	Title	CR
CHE 489 Senior Seminar	0	CHE 489 Senior Seminar continued	1
If even year CHE 335 Intro Biochemistry, If odd year elective	4	Advanced General Education course	3-4
Advanced General Education cluster	6-7	General electives. If premed, BIO 365 recommended.	4
General electives	3	If odd year CHE 448 Advanced Biochemistry , if even year CHE 350	3-4