

B.S. Degree in Chemistry with Biochemistry Option – ACS Approved

	Fall Semester			Spring Semester		
	Course	Course Title	Hrs.	Course	Course Title	Hrs.
Freshman	CH 115	General Chemistry I	3	CH 117	General Chemistry II	3
	CH 115 R	General Chemistry I Recitation	0	CH 117R	General Chemistry II Recitation	0
	CH 116	General Chemistry I Lab	1	CH 118	General Chemistry II Lab	1
	EH 101	Freshman Composition I	3	EH 102	Freshman Composition II	3
	MA 125	Calculus I	4	MA 126	Calculus II	4
	BY 123	Introductory Biology I	4	BY 124	Introductory Biology II	4
	BY 123 L	Introductory Biology I Lab	0	BY 124L	Introductory Biology II Lab	0
	Total Credits:	15		Total Credits:	15	
Sophomore	CH 235	Organic Chemistry I	3	CH 237	Organic Chemistry II	3
	CH 235R	Organic Chemistry I Recitation	0	CH 237R	Organic Chemistry II Recitation	0
	CH 236	Organic Chemistry I Lab	1	CH 238	Organic Chemistry II Lab	1
	EH 216	Introduction to Literature	3	CH 355	Analysis Techniques	4
	PH 221	General Physics I	4	CH 355L	Analysis Techniques Lab	0
	PH 221R	General Physics I Recitation	0	CS 101	Fluency with Information Technology	3
	PH 221L	General Physics I Lab	0	CS 101L	Fluency with Information Technology Lab	0
	THR 100	Introduction to Theatre	3	PHL 115	Contemporary Moral Issues	3
	Total Credits:	14		Total Credits:	14	
Junior	CH 345	Chemical Periodicity	4	CH 461	Advanced Biochemistry I	3
	CH 345L	Chemical Periodicity Lab	0	CH 464	Physical Biochemistry Lab	3
	CH 460	Biochemistry	3	BY 210	Genetics	3
	PH 222	General Physics II	4	HY 102	Western Civilization II	3
	PH 222R	General Physics II Recitation	0	PY 101	Introduction to Psychology	3
	PH 222L	General Physics II Lab	0		Elective	1
	HY 101	Western Civilization I	3			
		Total Credits:	14		Total Credits:	16
Senior	CH 325	Thermodynamics/Kinetics	4	CH 326	Structure/Bonding	4
	CH 325L	Thermodynamics/Kinetics Lab	0	CH 326L	Structure/Bonding Lab	0
	SOC 100	Introduction to Sociology	3		Elective	3
	PHL 116	Bioethics	3		Elective	3
	CM 101	Public Speaking	3		Elective	3
	Capstone	Chemistry Capstone	3-4		CH 497 or Other Elective	3
		Total Credits:	16-17		Total Credits:	16

This is a sample program of study other courses may satisfy core requirements. See your academic advisor for a list of these courses.

Total Hours for Degree = 120-121