

B.S. Degree in Chemistry with Polymer Chemistry Track – ACS Approved

		Fall Semester			Spring Semester			Summer Semester		
		Course	Course Title	Hrs	Course	Course Title	Hrs	Course	Course Title	Hrs
Freshman	CH 115	General Chemistry I	3	CH 117	General Chemistry II	3				
	CH 115R	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				
		Elective	3	MSE 280	Engineering Materials	3				
		Total Credits	14		Total Credits	14		Total Credits	0	
Sophomore	CH 235	Organic Chemistry I	3	CH 237	Organic Chemistry II	3	CH 460	Biochemistry	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				
	THR 100	Introduction to Theatre	3	CH 355L	Analysis Techniques Lab	0				
	PHL 115	Contemporary Moral Issues	3	CS 101	Fluency with Information Technology	3				
				CS 101L	Fluency with Information Technology Lab	0				
					Elective (MSE 281)	3				
		Total Credits	13		Total Credits	14		Total Credits	3	
Junior	CH 345	Chemical Periodicity	4	PH 222	General Physics II	4				
	CH 345L	Chemistry Periodicity Lab	0	PH 222R	General Physics II Recitation	0				
	MSE 413	Composite Materials	3	PH 222L	General Physics II Laboratory	0				
	PH 221	General Physics I	4	CM 101	Public Speaking	3				
	PH 221R	General Physics I Recitation	0	HY 102	Western Civilization II	3				
	PH 221L	General Physics I Lab	0	PY 101	Introduction to Psychology	3				
	HY 101	Western Civilization I	3		Elective	3				
			Total Credits	14		Total Credits	16		Total Credits	0
Senior	CH 325	Thermodynamics/Kinetics	4	CH 326	Structure/Bonding	4				
	CH 325L	Thermodynamics/Kinetics Lab	0	CH 326L	Structure/Bonding Lab	0				
	CH 480	Introduction to Polymer Chemistry I	4	CH 481	Introduction to Polymer Chemistry II	4				
	SOC 100	Introduction to Sociology	3	ANTH 101	Anthropology	3				
	MSE 430	Polymeric Materials	3		Elective	3				
	Capstone	CH 497 + CH 495 or CH 493	3-4		CH 497 or other elective	3				
			Total Credits	17-18		Total Credits	17		Total Credits	0

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

Total Hours for Degree: 122-123