MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS CHEMISTRY**
Option: **POLYMER**
Major Field Requirements: **59.0 Credits**
Other Requirements: **22.0 Credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

REQUIRED CHEMISTRY COURSES (48.0 Credits)

Course	No.	Short Title	C.H.	Grade
CHEM	111	Intro Chemistry I	4.0	
CHEM	112	Intro Chemistry II	4.0	
CHEM	188	Freshman Seminar	1.0	
CHEM	231	Organic Chem I	4.0	
CHEM	232	Organic Chem II	4.0	
CHEM	251	Inorganic Chem I	3.0	
CHEM	265	Quant Analysis	4.0	
CHEM	341	Physical Chem I	4.0	
CHEM	342	Physical Chem II	4.0	
CHEM	381	Polymer Chem I	4.0	
CHEM	452	Inorganic Chem II	3.0	
CHEM	465	Analytical Chem	4.0	
CHEM	482	Polymer Chem II	4.0	
CHEM	487	Seminar in Chem I	0.5	
CHEM	488	Seminar in Chem II	0.5	
CHEM	498	Independent Study	1.0	

CHEMISTRY & RELATED ELECTIVES (min 11.0 Credits)

Course	No.	Short Title	C.H.	Grade
CHEM	300	Cooperative Educ	3.0-6.0	
CHEM	400	Cooperative Educ	3.0-6.0	
CHEM	312	Chem in Nanotech	3.0	
CHEM	324	Plant Biochemistry	4.0	
CHEM	326	Biochemistry I	4.0	
CHEM	327	Biochemistry II	4.0	
CHEM	328	Analyt. Biochem Lab	1.0	
CHEM	375	Environmental Chem	4.0	
CHEM	391	Advanced Lab I	1.0	
CHEM	392	Advanced Lab II	1.0	
CHEM	435	Advanced Organic Chem	3.0	
CHEM	476	Environmental Chem II	4.0	
CHEM	486	Topics in Chemistry	1.0-4.0	
CHEM	489	Dept. Honors	1.0-3.0	
CHEM	498	Independent Study	1.0-3.0	
CHEM	499	Dept. Honors	1.0-3.0	
ITEC	271	Proc. Non-Met. Mater.	3.0	
ITEC	375	Poly & Ceramic Tech	3.0	

REQUIRED RELATED (22.0 credits)

Mathematics (12.0 credits)

Course	No.	Short Title	C.H.	Grade
MATH	161	Calculus I	4.0	
MATH	211	Calculus II	4.0	
MATH	311	Calculus III	4.0	

Physics (10.0 credits)

Course	No.	Short Title	C.H.	Grade
PHYS	231	Physics I with Calc	5.0	
PHYS	232	Physics II with Calc	5.0	

Suggested general education courses:
BUAD 101, BUAD 161, ECON 101, ECON 102, and two foreign language courses (101 and 102).

General Electives (as necessary)
