

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.

Course No.	Short Title	C.H.	Grade	Q.P.	Course No.	Short Title	C.H.	Grade	Q.P.
REQUIRED CHEMISTRY COURSES (48.0 credits)					REQUIRED RELATED (22.0 credits)				
CHEM 111	Intro Chemistry I	4.0	_____	_____	Mathematics (12.0 credits)				
CHEM 112	Intro Chemistry II	4.0	_____	_____	MATH 161	Calculus I	4.0	_____	_____
CHEM 188	Freshman Seminar	1.0	_____	_____	MATH 211	Calculus II	4.0	_____	_____
CHEM 231	Organic Chem I	4.0	_____	_____	MATH 311	Calculus III	4.0	_____	_____
CHEM 232	Organic Chem II	4.0	_____	_____	Physics (10.0 credits)				
CHEM 251	Inorganic Chem I	3.0	_____	_____	PHYS 231	Physics I with Calc	5.0	_____	_____
CHEM 265	Quant Analysis	4.0	_____	_____	PHYS 232	Physics II with Calc	5.0	_____	_____
CHEM 341	Physical Chem I	4.0	_____	_____	Suggested general education courses: BUAD 101, BUAD 161, ECON 101, ECON 102, and two foreign language courses (101 & 102).				
CHEM 342	Physical Chem II	4.0	_____	_____	General Electives (as necessary)				
CHEM 381	Polymer Chemistry I	4.0	_____	_____	_____	_____	_____	_____	_____
CHEM 452	Inorganic Chem II	3.0	_____	_____	_____	_____	_____	_____	_____
CHEM 465	Analytical Chem	4.0	_____	_____	_____	_____	_____	_____	_____
CHEM 482	Polymer Chemistry II	3.0	_____	_____	_____	_____	_____	_____	_____
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)									
CHEM 300	Cooperative Educ	3.0-6.0	_____	_____					
CHEM 400	Cooperative Educ	3.0-6.0	_____	_____					
CHEM 324	Plant Biochemistry	4.0	_____	_____					
CHEM 326	Biochemistry I	4.0	_____	_____					
CHEM 327	Biochemistry II	4.0	_____	_____					
CHEM 328	Analyt. Bioch 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 Org. Chm.	3.0	_____	_____					
CHEM 476	Environmental 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	_____	_____					