MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS CHEMISTRY**
Option:
Major Field Requirements: **55.0-57.0 Credits**
Other Requirements: **24.0-26.0 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 (47.0 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	326	Biochemistry I	4.0	
CHEM	341	Physical Chem I	4.0	
CHEM	342	Physical Chem II	4.0	
CHEM	391	Advanced Lab I	1.0	
CHEM	392	Advanced Lab II	1.0	
CHEM	452	Inorganic Chem II	3.0	
CHEM	465*	Analytical Chem	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 ELECTIVES (8.0-10.0 Credits)

Course	No.	Short Title	C.H.	Grade
CHEM	312	Chem in Nanotech	3.0	
CHEM	324	Plant Biochemistry	4.0	
CHEM	327	Biochemistry II	4.0	
CHEM	328	Analyt. Biochem Lab	1.0	
CHEM	375	Environmental Chem	4.0	
CHEM	381	Polymer Chem I	4.0	
CHEM	435	Advanced Organic Chem	3.0	
CHEM	476	Environmental Chem II	4.0	
CHEM	482	Polymer Chem II	4.0	
CHEM	486	Topics in Chemistry	1.0-4.0	
CHEM	498	Independent Study **	1.0-3.0	
CHEM	489	Dept. Honors	1.0-3.0	
CHEM	499	Dept. Honors	1.0-3.0	
CHEM	300	Cooperative Educ	3.0	
CHEM	400	Cooperative Educ	3.0	

*Students not seeking ACS certification may corequisite CHEM 342 and CHEM 465.
** Students seeking ACS certification must take a minimum of two hours credit of CHEM 498 under Chemistry Electives.

REQUIRED RELATED (24.0-26.0 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	

Physics, Mathematices, and/or Computer Science Electives (Choose one course)

Physics-any course numbered 233 or higher, except perspectives courses. (2.0-3.0 credits)

Course	No.	Short Title	C.H.	Grade
CSCI	161	Intro to Programming I	4.0	
CSCI	162	Intro to Programming II	4.0	
MATH	235	Survey of Statistics	3.0	
MATH	236	Elements of Stat. II	3.0	
MATH	322	Linear Algebra	4.0	
MATH	333	Intro to Prob. & Stats	4.0	
MATH	335	Math Stat I	3.0	
MATH	365	Differential Equations	3.0	
MATH	435	Math Stat II	3.0	

The total number of credits earned in both elective blocks must be 12 credits.

General Electives (as necessary)
