

## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS CHEMISTRY**  
 Option: **3 + 4 PRE-PHARMACY**  
 Major Field Requirements: **37.0 Credits**  
 Other Requirements: **64.0 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	Course	No.	Short Title	C.H.	Grade
<b>REQUIRED CHEMISTRY COURSES (33.0 Credits)</b>					<b>REQUIRED RELATED (28.0 credits)</b>				
CHEM	111	Intro Chemistry I	4.0	_____	<b>Mathematics (15.0 credits)</b>				
CHEM	112	Intro Chemistry II	4.0	_____	MATH	161	Calculus I	4.0	_____
CHEM	231	Organic Chem I	4.0	_____	MATH	211	Calculus II	4.0	_____
CHEM	232	Organic Chem II	4.0	_____	MATH	311	Calculus III	4.0	_____
CHEM	251	Inorganic Chem I	3.0	_____	MATH	235	Survey of Statistics	3.0	_____
CHEM	265	Quant Analysis	4.0	_____	<b>Physics (10.0 credits)</b>				
CHEM	341	Physical Chem I	4.0	_____	PHYS	231	Physics I with Calc	5.0	_____
CHEM	342	Physical Chem II	4.0	_____	PHYS	232	Physics II with Calc	5.0	_____
CHEM	487	Seminar in Chem I	0.5	_____	<b>Biology (3.0 credits)*</b>				
CHEM	488	Seminar in Chem II	0.5	_____	BIOL	100	General Biology	3.0	_____
CHEM	498	Research	1.0	_____					
<b>CHEMISTRY ELECTIVES (4.0 Credits)</b>									
CHEM	300	Co-op in Chem	3.0	_____					
CHEM	375	Environmental Chem	4.0	_____					
CHEM	381	Polymer Chemistry I	4.0	_____					
CHEM	391	Advanced Lab I	1.0	_____					
CHEM	392	Advanced Lab II	1.0	_____					
CHEM	435	Advanced Organic Chem	3.0	_____					
CHEM	452	Inorganic Chem II	3.0	_____					
CHEM	465	Analytical Chem	4.0	_____					
CHEM	486	Topics in Chemistry	1-4	_____					
CHEM	489	Department Honors	1-3	_____					
CHEM	498	Independent Study	1-3	_____					
CHEM	499	Department Honors	1-3	_____					
<b>1<sup>st</sup> Year Pharmacy School COURSES (19.0)</b>									
_____	_____	_____	_____	_____					
_____	_____	_____	_____	_____					
_____	_____	_____	_____	_____					
_____	_____	_____	_____	_____					
_____	_____	_____	_____	_____					

\***Note:** grade requirement (B- or better)