

ACADEMIC ROADMAP: BS DEGREE IN CHEMISTRY (CHEMISTRY CONCENTRATION)

Freshman Year

FIRST SEMESTER				SECOND SEMESTER			
Course Title	Catalog Number	REQ	Sequence	Course Title	Catalog Number	REQ	Sequence
FUND OF CHEM I (4)	CHE 111			FUND OF CHEM II (4)	CHE 112/114		
CALCULUS I (5)	MAT 161/163			CALCULUS II (5)	MAT 162/164		
College Writing I	CWP 101			College Writing II	CWP 102		
General Education				General Education			

Sophomore Year

THIRD SEMESTER				FOURTH SEMESTER			
Course Title	Catalog Number	REQ	Sequence	Course Title	Catalog Number	REQ	Sequence
ORGANIC CHEMISTRY I	CHE 201			ORGANIC CHEMISTRY II	CHE 202		
ORGANIC CHEMISTRY I LAB (1)	CHE 203			ORGANIC CHEMISTRY II LAB (1)	CHE 204		
UNIVERSITY PHYSICS I (5)	PHY 111			UNIVERSITY PHYSICS II (5)	PHY 112		
CALCULUS III (5)	MAT 263/264			ANALYTICAL CHEMISTRY (4)	CHE 301		
General Education				General Education			

Junior Year

FIFTH SEMESTER				SIXTH SEMESTER			
Course Title	Catalog Number	REQ	Sequence	Course Title	Catalog Number	REQ	Sequence
PHYSICAL CHEMISTRY I*	CHE 305			PHYSICAL CHEMISTRY II*	CHE 306		
PHYSICAL CHEMISTRY I LAB (1)*	CHE 307W			PHYSICAL CHEMISTRY II LAB (1)*	CHE 308W		
LITERATURE OF CHEMISTRY (1)*	CHE 310			General Education			
INTRO TO INORGANIC CHEM (3)*	CHE 360			General Education			
General Education				All-college Elective**			
General Education				All-college Elective			

Senior Year

SEVENTH SEMESTER				EIGHTH SEMESTER			
Course Title	Catalog Number	REQ	Sequence	Course Title	Catalog Number	REQ	Sequence
BIOCHEMISTRY I*	CHE 470			ADV INORGANIC CHEMISTRY (3)*	CHE 462		
BIOCHEMICAL TECHNIQUES (2)*	CHE 471						
INSTRUMENTAL ANALYSIS (4)	CHE 403			All-college Elective			
				All-college Elective			
All-college Elective				All-college Elective			
All-college Elective							

* these courses are usually offered only in the semester indicated

** at least **two** all-college electives must be upper-division to satisfy college graduation requirements