

ACADEMIC ROADMAP: BS DEGREE IN CHEMISTRY (BIOCHEMISTRY 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 LAB II (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 307			PHYSICAL CHEMISTRY II LAB (1)**	CHE 308		
LITERATURE OF CHEMISTRY (1)**	CHE 310			INTRO TO CELL BIOLOGY (4)	BIO 211		
INTRO TO INORGANIC CHEM (3)**	CHE 360			General Education			
General Education				General Education			
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			BIOCHEMISTRY II**	CHE 472		
BIOCHEMICAL TECHNIQUES (2)**	CHE 471			MAJOR ELECTIVE (4)			
MAJOR ELECTIVE (4)				All-college Elective			
All-college Elective				All-college Elective			
General Education				All-college Elective			

* a grade of "C" or better is required

** these courses are usually offered only in the semester indicated

*** at least **one** all-college elective must be upper-division to satisfy college graduation requirements