

**ACADEMIC ROADMAP: BS DEGREE IN CHEMISTRY (BIOCHEMISTRY CONCENTRATION)**

**Freshman Year**

<b>FIRST SEMESTER</b>				<b>SECOND SEMESTER</b>			
<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>	<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>
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**

<b>THIRD SEMESTER</b>				<b>FOURTH SEMESTER</b>			
<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>	<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>
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**

<b>FIFTH SEMESTER</b>				<b>SIXTH SEMESTER</b>			
<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>	<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>
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			INTRO TO CELL BIOLOGY (4)	BIO 214		
INTRO TO INORGANIC CHEM (3)*	CHE 360			General Education			
General Education				General Education			
General Education				All-college Elective**			

**Senior Year**

<b>SEVENTH SEMESTER</b>				<b>EIGHTH SEMESTER</b>			
<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>	<b>Course Title</b>	<b>Catalog Number</b>	<b>REQ</b>	<b>Sequence</b>
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			

\* 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