BIOCHEMISTRY MAJOR

General Biochemistry and ACS Approved Concentrations

DOMAIN GENERAL EDUCATION (10 Courses Required):

Domain II B is satisfied through completion of the Biochemistry major, leaving ten courses to be completed to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog for full information. (check off as completed)

Common Core:	A. ENWR 110 Composition 2
Domain I:	A. Creative Arts
	C. Language
Domain II:	A. Analysis, Modeling, Problem-Solving
	B. Sciences (two; one must be a lab science) X
Domain III:	A. Perspectives on the Past
	B. Perspectives on Contemp. World
DIOCHENUS	C. Global Comp., Eth. Reas., Human Div.
BIOCHEMISTRY MAJOR AND RELATED COURSES: Required Major Related Core Courses (15)	
	Principles of Biology with Lab OR
	1LIntro to Cell and Molecular Bio with Lab
Choose Two (2) courses from the following:	
BIOL 208/208L Genetics with Lab	
BIOL 260/260L Cell Biology with Lab	
BIOL 262/262L Molecular Biology with Lab	
CHEM 107/107L Principles of Chemistry with Lab	
CHEM 108/108L Principles of Chemistry &	
	Quantitative Analysis with Lab
CHEM 207/207L Organic Chemistry I with Lab	
CHEM 208/208L Organic Chemistry II with Lab	
	Biochemistry I with Lab
	Physical Chemistry I with Lab
CHEM 321/321L Instrumental Analysis with Lab	
	L Biochemistry II with Lab
MATH 219	Calculus I (CCM)
MATH 220 PHVS 211/2111	Calculus II Principles of Physics I with Lab
	Principles of Physics I with Lab
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All students majoring in Biochemistry must choose (1) of two (2) concentrations ACS-Approved Program or General Biochemistry. **General Biochemistry Concentration: Concentration Requirements (4):** BIOL 208/208L Genetics with Lab* OR _____ BIOL 260/260L Cell Biology with Lab* OR Molecular Biology with* Lab BIOL 262/262L BIOL 307/307L Microbiology with Lab BIOL 340/340L Immunology with Lab

CHEM 401/401L Inorganic Chemistry with Lab _____ Chemical Research I CHEM 480 CHEM 481 Chemical Research II FDSC 405/405L Food Analysis with Lab FDSC 408/408L Food Chemistry with Lab *Note: BIOL 208/208L Genetic with Lab, BIOL 260/260L Cell Biology with Lab and BIOL 262/262L Molecular Biology with Lab cannot be used as both a major core

requirement and concentration elective.

CHEM 390

American Chemical Society Approved Concentration:

BIOL 409/109L Developmental Biology with Lab

CHEM 304/304L Physical Chemistry II with Lab

BIOL 453/453L Seminar in Recombinant DNA Tech w/Lab

Special Topics in Chemistry

Concentration Requirements (4):	
CHEM 401/401L Inorganic Chemistry with Lab	
CHEM 480 Chemical Research I	
CHEM 481 Chemical Research II	
Choose one (1) elective from:	
BIOL 208/208L Genetics with Lab* OR	
BIOL 260/260L Cell Biology with Lab* OR	
BIOL 262/262L Molecular Biology with* Lab	
CHEM 304/304L Physical Chemistry II with Lab	
CHEM 390 Special Topics in Chemistry	
FDSC 405/405L Food Analysis with Lab	
FDSC 408/408L Food Chemistry with Lab	
*Note: BIOL 208/208L Genetic with Lab, BIOL 260/260L Cell Biology with Lab and	
BIOL 262/262L Molecular Biology with Lab cannot be used as both a major core	
requirement and concentration elective.	

FREE ELECTIVES (3):
