

Biochemistry Course Offerings for 2024-2025

<u>Course #</u>	<u>Course Name</u>	<u>Prerequisite</u>	<u>Fall</u>	<u>Winter</u>	<u>Spring</u>	<u>Summer</u>
BCH 010	Introduction to Nutrition	None	X	X	X	X
BCH 015	Introductory Biochemistry Laboratory	CHEM 8A/8LA (C- or better or concurrent enrollment)	X	X		X
BCH 095	Topics in Biochemistry for Career Planning	Lower division standing in Biochemistry	X			
BCH 096	Introduction to Humanitarian and Healthcare Service	BCH major with an emphasis in MDSC		X		
BCH 097	Research Tutorial in Biochemistry	Lower division standing, min. GPA of 3.5 and approval from advisor and instructor	X	X	X	
BCH 098-I	Individual Internship in a Humanitarian or Healthcare Arena	Major in BCH-MDSC and BCH 096	X	X	X	
BCH 100	Introductory Biochemistry	BIOL 005A and CHEM 8B/8LB (C- grade for both)	X	X	X	X
BCH 110A	General Biochemistry	BIOL 005A and CHEM 8C/8LC (C- grade for both)	X	X		
BCH 110B	General Biochemistry	BCH 110A (C- grade)		X	X	
BCH 110C	General Biochemistry	BCH 110A (C- grade) and BIOL 102. BCH110B is highly recommended		X	X	
BCH 120	Topics in Human Biochemistry	BCH 100 (C+ grade) or BCH 110B (C- grade)	X		X	
BCH 162	Advanced Biochemistry Laboratory	BCH 15 and BCH 110B and BCH 110C (C- grade for all)		X	X	
BCH 180 (E-Z)	Advanced Methods in Biochemistry	Upper-Division standing and concurrent enrollment in BCH 197 or equivalent or BCH 110C (C- grade) or BIOL 107A (C- grade)	X	X		
BCH 183	Plant Biochemistry and Pharmacology of Plant Metabolites	BCH 110A and BCH 110B or BCH 100			x	
BCH 184	Topics in Physical Biochemistry	BCH 100 (C- grade) or BCH 110A (C- grade) and CHEM 109 (C- grade) or CHEM 110A(C- grade) or BIEN 135 (C- grade)		X	X	
BCH 185	Epigenetics In Development and Disease	BCH 110C (C- grade) or BIOL 107A (C- grade)	X			

BCH 186	Molecular Bioenergetics	BCH 100 (C- grade) or BCH 110B (C- grade) and BCH 184 (C- grade)				
BCH 187	Fundamentals of Enzymology	BCH 100 or BCH 110A (C- Grade)			X	
BCH 188	Fundamentals of Genomics Technologies	BCH 110C (C- grade) or BCH 110HC (B- grade) or BIOL 107A (C- grade)		X		
BCH 189	Advanced Analysis of Biochemical Methods	Senior standing in a BCH major, concurrent enrollment in BCH 162, and consent of instructor (Last offered Spring 2014)				
BCH 190	Special Studies	Upper-Division standing and consent of instructor	X	X	X	X
BCH 197	Research for Undergraduate Students	Junior status and consent of the instructor	X	X	X	X
BCH 198-I	Internship in Biochemistry	BCH 15, consent of instructor and upper-division standing	X	X	X	
BIOL 102	Introductory Genetics	BIOL 5B (C– grade)	X	X	X	X
CBNS 101	Fundamentals of Cell Biology	CHEM 8C/8LC, BCH 100 or BCH 110A (concurrent enrollment OK)	X	X		X
CHEM 109	Survey of Physical Chemistry	CHEM 1C/LC & MATH 9B/7B (C– grade)	X			X
CHEM 110A	Physical Chemistry: Chemical Thermodynamics	CHEM 1C/LC (C– grade), MATH 9C (C– grade) or MATH 10A (C– or concurrent enrollment), PHYS 40C/2C (C– grade or concurrent enrollment)	X			