

Concentration in Biological Chemistry

Require courses

Course #	Course Name	Credits
BSC 1010, 1010L*	Honors Biological Principles with Lab	4
PCB 3063	Honors Genetics	4
PCB 4102	Honors Cell Biology	4
CHM 2045, 2045L*	Honors General Chemistry I with Lab	4
CHM 2046, 2046L	Honors General Chemistry II with Lab	4
CHM 2210, 2204L	Honors Organic Chemistry I with Lab	4
CHM 2211, 2205L	Honors Organic Chemistry II with Lab	4
BCH 3033, 3033L	Honors Biochemistry with Lab	4
STA 2023*	Honors Introductory Statistics	3
MAC 2311*	Honors Calculus I	4
MAC 2312	Honors Calculus II	4
PHY 2048, 2048L	Honors General Physics I with Lab	5
PHY 2049, 2049L	Honors General Physics II with Lab	5
	4 Electives; 2 in Biology and 2 in Chemistry, with at least one chemistry lab.	12
BSC 4915/- CHM 4912 or 4914	Honors Research in Biology/Chemistry	3
BSC 4970 /- CHM-IDS 4970	RI: Honors Thesis in Biology/Chemistry	3 6

Course #	Course Name	Credits
	Total Credits	71

** May be counted toward HC Core requirements as well*

*** Change from previous version approved 9/10/2010*

See also the [Biological Chemistry flowchart](#).

BIOLOGY ELECTIVES*

Course #	Course Name	Credits
MCB 3020, 3020L*	Honors Microbiology with Lab	4
PCB 4024	Honors Molecular Cell Biology	3
BSC 4402L	Honors Fluorescence Microscopy Lab	1
BSC 4403L	Honors Biotechnology Lab	2
BSC 4930	Honors Immunology	3
BSC 4930	Honors Intro to Structural Molecular Biology	2
BSC 4930	Honors Molecular Pharmacology	3
ZOO 4742	Honors Principles of Human Neuroanatomy	3
PCB 4253	Honors Developmental Biology	3
BSC 4930	Honors Endocrinology	3
PCB 4234	Honors Biology of Cancer	3

CHEMISTRY ELECTIVES*

Course #	Course Name	Credits
CHM 3085	Honors Environmental Chemistry	3
CHM 3121, 3121L	Honors Quantitative Analysis with Lab	4
CHM 3292	Honors Chemistry of Natural Products	3
CHM 3400	Honors Introduction to Physical Chemistry	3
CHM 4135, 4135L	Honors Instrumental Methods of Analysis with Lab	4
CHM 4231	Honors Spectroscopy	3
CHM 4473	Honors Quantum Chemistry	3
CHM 3609, CHM 3609L	Honors Inorganic Chemistry with Lab	4

** At least one chemistry elective must be a course with a lab. Special Topics in Biology (BSC 4930) or Chemistry (CHM 4933) may be used to fulfill the Biology and Chemistry electives upon approval of the Biological Chemistry advisory board.*