

BIOCHEMISTRY (BS)

Program Requirements

Requirements for a B.S. Degree in Biochemistry:

Code	Title	Hours
Required Courses		
BIOL-1121	General Biology I	5
BIOL-1122	General Biology II	4
CHEM-1200 & CHEM-1201	General Chemistry I Lecture and General Chemistry I Laboratory	4
CHEM-1210 & CHEM-1211	General Chemistry II Lecture and General Chemistry II Lab	4
CHEM-2200 & CHEM-2201	Organic Chemistry I Lecture and Organic Chemistry I Lab	4
CHEM-2210 & CHEM-2211	Organic Chemistry II Lecture and Organic Chem II Lab	4
CHEM-3300 & CHEM-3301	Quantitative Analysis and Quantitative Analysis Laboratory	4
CHEM-3311	Instrumental Analysis Laboratory	1
CHEM-3500 & CHEM-3501	Biochemistry I and Biochemistry I Laboratory	4
CHEM-3510 & CHEM-3511	Biochemistry II and Biochemistry II Laboratory	4
CHEM-3800 & CHEM-3801	Physical Chemistry I and Physical Chemistry I Laboratory	4
CHEM-4450 & CHEM-4451	Topics in Biochemistry and Topics in Biochemistry Laboratory	4
CHEM-4801 & CHEM-4811	Research I and Research II	2
CHEM-4900 & CHEM-4901 & CHEM-4902 & CHEM-4903	Chemistry & Biochem Colloquium and Chem & Biochem Colloquium 2 and Chem & Biochem Colloquium 3 and Chem & Biochem Colloquium 4	4
BIOC-COMP	Senior Comprehensive Exam	0
Advanced Course		
Select one of the following:		3
CHEM-3150	Computational Chemistry	
CHEM-3250	Environmental Chemistry	
CHEM-3400	Inorganic Chemistry	
CHEM-3650	Polymer Chemistry	
CHEM-4200	Physical Chemistry II	
CHEM-3980/49	Special Topics	
CHEM-4350	Advanced Organic Chemistry I	
CHEM-4650	Organometallic Chemistry	
Required Supporting Courses		
MATH-1300	Calculus I	4
MATH-1350	Calculus II	4
PHYS-2100 & PHYS-2101	Classical Physics I and Classical Physics I Lab	4
PHYS-2110 & PHYS-2111	Classical Physics II and Classical Physics II Lab	4
Recommended Supporting Courses		
BIOL-3310	Biology III- Mechanisms of Evolution	

BIOL-3360	Microbiology
BIOL-3370	Genetics
BIOL-4475	Molecular & Cell Biology
BIOL-4476	Immunology
Total Hours	71