

BIOCHEMISTRY B.S.

All students must meet the University Requirements.
(<http://catalogue.uvm.edu/undergraduate/academicinfo/degreerequirements/>)

All students must meet the College Requirements. (<http://catalogue.uvm.edu/undergraduate/artsandsciences/#requirements-text>)

MAJOR REQUIREMENTS

The biochemistry core requires satisfactory completion of:		
BCOR 011	Exploring Biology	4
BCOR 012	Exploring Biology	4
BCOR 101	Genetics	3
BCOR 103	Molecular and Cell Biology	4
MATH 021	QR: Calculus I	4
MATH 022	QR: Calculus II	4
STAT 141	QR: Basic Statistical Methods 1	3
PHYS 051	Fundamentals of Physics I	4
PHYS 152	Fundamentals of Physics II	4
CHEM 051	Exploring Chemistry 1	1
CHEM 052	Exploring Chemistry 2	1
CHEM 047	Organic Chemistry for Majors 1	4
CHEM 048	Organic Chemistry for Majors 2	4
CHEM 165	Intro Physical Chemistry	3
BIOC 205	Biochemistry I	3
BIOC 206	Biochemistry II	3
BIOC 207	Biochemistry Lab	3
12 credits of advanced biochemistry-related electives		12
Choose 1 of the following:		1
BIOC 284	Biochemistry Senior Seminar	
HON 275 & HON 276	Honors: Biochemistry and Honors: Biochemistry	
In addition, students must select 1 course from the following group of intermediate-level laboratory electives:		2-4
CHEM 121	Quantitative Analysis	
MMG 104	Intro Recombinant DNA Tech	
MMG 201	Molecular Cloning Lab	
BIOL 204	Adv Genetics Laboratory	

BIOL 205	Adv Genetics & Proteomics Lab	
Students may substitute: (However, the program of study recommended above will provide a better preparation for advanced course work in biochemistry.)		
BIOL 001 & BIOL 002	Principles of Biology and Principles of Biology (For BCOR 011 and BCOR 012)	
PHYS 011 & PHYS 012 & PHYS 021 & PHYS 022 (For PHYS 051 & PHYS 152)		
CHEM 031 & CHEM 032 & CHEM 141 & CHEM 142 (For CHEM 047 & CHEM 048 & CHEM 051 & CHEM 052 & 1 upper-level elective course)		

Students completing the B.S. in Biochemistry may not also receive the B.A. with any chemistry major.