

CHEMISTRY B.A.

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>)

Students pursuing a Bachelor of Arts degree with a major in chemistry complete a set of courses representing the traditional chemical subdisciplines and have great flexibility in the focus of their upper level coursework. Students may elect a major that is certified by the American Chemical Society by completing CHEM 166, CHEM 219, CHEM 221, CHEM 205, and 3 credits of CHEM 290 or CHEM 291. The B.A. chemistry major degree provides students a solid foundation in chemistry to pursue careers in a range of fields.

MAJOR REQUIREMENTS

CHEM 047 & CHEM 048	Organic Chemistry for Majors 1 and Organic Chemistry for Majors 2	8
CHEM 051 & CHEM 052	Exploring Chemistry 1 and Exploring Chemistry 2	2
CHEM 114	Advanced Synthesis Techniques	3
CHEM 121	Quantitative Analysis	4
CHEM 165	Intro Physical Chemistry	3
CHEM 181	2nd Year Seminar: Writing	1
CHEM 182	2nd Year Seminar: Presentation	1
CHEM 199	Professional Development	1
CHEM 231	Advanced Inorganic Chemistry	3
12 credits of upper-level electives in Chemistry or related sciences from the following: BIOC 205, BIOC 206, BIOC 207, BIOC 263, BIOC 275, any CHEM course numbered 200 or above, PHRM 201, PHRM 240, PHRM 272, PHRM 290, GEOL 234, GEOL 235, GEOL 246, PSS 264. No more than 6 credits of CHEM 290 plus CHEM 291 can be applied toward these electives.		12
Choose 1 of the following sequences:		6-8
MATH 019 & MATH 020	QR: Fundamentals of Calculus I and QR: Fundamentals of Calculus II	
MATH 021 & MATH 022	QR: Calculus I and QR: Calculus II	
Choose 1 of the following options:		8-10
Option A		
PHYS 011 & PHYS 021	Elementary Physics and Introductory Lab I	

PHYS 012 & PHYS 022	Elementary Physics and Introductory Lab II	
Option B		
PHYS 051 & PHYS 152	Fundamentals of Physics I and Fundamentals of Physics II	
Students may substitute: (However, the program of study recommended above will provide a better preparation for advanced course work in chemistry.)		
CHEM 031 & CHEM 032	General Chemistry 1 and General Chemistry 2 (For CHEM 051 and CHEM 052)	
CHEM 141 & CHEM 142	Organic Chemistry 1 and Organic Chemistry 2 (for CHEM 047 and CHEM 048)	

Students completing the B.A. with a chemistry major may not also receive the B.S. with the biochemistry major.