

Bloomsburg University - Department of Chemistry
American Chemical Society Certified Bachelor of Science in Chemistry

Courses	Cr.	Taken:	Courses	Cr.	Taken:
Courses Required for Chemistry Major	67		Quantitative - 3 Credits		
52.115 Chemistry for Science I ¹	4	_____	Satisfied by Major Requirement 53.125 Calculus I ¹		_____
52.116 Chemistry for Sciences II	4	_____	Values² - 3 Credits		
52.231 Organic Chemistry I	4	_____	1) _____	3	_____
52.232 Organic Chemistry II	4	_____	Fitness - 2 Credits		
52.251 Inorganic Chemistry	3	_____	1) _____	1	_____
52.281 Introduction to Scientific Literature	1	_____	2) _____	1	_____
53.321 Analytical Chemistry I	3	_____	Group A (Humanities) - 12 Credits		
53.322 Instrumental Analytical Chemistry	4	_____	1) 28.270 Logic (recommended)	3	_____
52.361 Physical Chemistry I	4	_____	2) _____	3	_____
52.362 Physical Chemistry II	4	_____	3) _____	3	_____
52.452 Advanced Inorganic Chemistry	4	_____	4) _____	3	_____
Courses Required for ACS Certification:			Group B (Social Sciences) - 12 Credits		
52.341 Biochemistry I	4	_____	1) _____	3	_____
52.492 Chemical Research I (1 to 3 credits)	1	_____	2) _____	3	_____
52.493 Chemical Research II	3	_____	3) _____	3	_____
One 300-400 level elective (3 credits minimum; consult advisor)			4) _____	3	_____
1) _____	3	_____	Group C (Nat. Sci. & Math) 0 additional credits needed		
Collateral Courses Required for Major:			1) Satisfied by major requirement 52.115 Chemistry for Science I ¹		
53.125 Calculus I ¹	3	_____	2) Satisfied by major requirement 53.126 Calculus II		
53.126 Calculus II	3	_____	3) Satisfied by major requirement 54.211 General Physics I		
53.225 Calculus III	3	_____	4) Satisfied by major requirement 54.212 General Physics II		
54.211 General Physics I	4	_____	Free Electives (credits will vary based on course choices)	14	
54.212 General Physics II	4	_____	1) _____	3	_____
General Education - Total Credits: 38			2) _____	3	_____
Communication² - 9 Credits			3) _____	3	_____
1) 20.101 Composition 1	3	_____	4) _____	3	_____
2) 2nd Level Writing:	3	_____	5) _____	2	_____
3) _____	3	_____	6) _____		_____
Optional 09.100 University Seminar³			TOTAL CREDITS FOR PROGRAM	120	
			Two Approved Diversity Courses:⁴		
			1) _____		_____
			2) _____		_____

Note 1: A placement test is required for 52.115 and 53.125; students who need one or more prerequisite courses will have fewer free electives in the program.

Note 2: Students may count one Communications or Values course under the Group A or B category; May need additional free elective so total credits still equal 120.

Note 3: If 09.100 not taken, then take additional Free Elective Credit.

Note 4: Two Major, General Education or Elective Courses selected must also qualify as Diversity Courses; see approved list in catalog and consult advisor.