Bloomsburg University - Department of Chemistry
Bachelor of Science in Chemistry

Courses (prerequisites)	Cr	Sem. Taken
Chemistry Courses – 39 credits		
52.115 Chemistry for the Sciences I	4	
52.116 Chemistry for the Sciences II (115)	4	
52.231 Organic Chemistry I [2] (116)	4	
52.232 Organic Chemistry II[1] (231)	4	
52.251 Inorganic Chemistry[1] (116)	3	
52.281 Introduction to Scientific Literature[1]	1	
52.321 Analytical Chemistry[2] (116)	3	
52.322 Instrumental Analytical Chemistry[1] (321, 361)	4	
52.361 Physical Chemistry I [2] (116, 54.212, 53.225)	4	
52.362 Physical Chemistry II[1] (361)	4	
52.452 Advanced Inorganic Chemistry[2] (362)	4	
Restricted Chemistry Elective - 3-4 Credits		
52.333 Adv. Organic[1] or 52.341 Biochem. I or 52.371 Intro Polymer[1] or 52.482 Adv. Topics[1] or 52.492 Research I		
Math Courses – 9 credits		
53.125 Calculus 1	3	
53.126 Calculus 2 (125)	3	
53.225 Calculus 3 (126)	3	
Physics Courses – 8 credits		
54.211 Gen Physics I	4	
54.212 Gen Physics II (211, 53.125 concurrent)	4	
General Education - 50 credits total		
Communication - 9 credits		
Composition 1	3	
Technical Writing 09-231	3	
Communications Course	3	

[1] offered only in Spring [2] offered only in Fall

Courses	Cr	Sem. Taken
Quantitative - 3 credits		
(Requirement met with 53.125)		
Values - 3 credits - may be met w/approp. Gr. A or B		
	3	
Fitness - 2 credits		
	1	
	1	
Diversity - 6 credits - may be met w/approp. Gr. A or B		
	3	
	3	
Group A (Humanities) - 12 credits		
	3	
	3	
	3	
	3	
Group B (Social Sciences) - 12 credits		
	3	
	3	
	3	
	3	
Group C (Nat. Sci. & Math) - 12 credits		
All requirements met with required science and math courses		

Suggested Course Sequence for Bachelor of Science in Chemistry

Year	Fall		Spring	
1	Humanities 1	3	Comp I 20-101	3
	Math 53-113/125	3	Math 53-125/126	3
	Chem. Sci. I 52-115	4	Chem. Sci. II 52-116	4
	Social Science - 1	3	Humanities - 2 (Diversity)	3
	University Seminar	1	Values/Eth/Resp	3
		14		**16**
2	Organic I 52-231	4	Organic II 52-232	4
	Math 53-126/225	3	Math 225 or elective	3
	Physics I 54-211	4	Physics II 54-212	4
	Technical Writing 09-231	3	Inorganic Chemistry 52-251	3
	Social Science - 2	3	Intro to Scientific Lit 52-281	1
		17		**15**
3	Physical Chem I 52- 361	4	Physical Chem II 52- 362	4
	Analytical Chem I 52-321	3	Instrum. Ana. Chem. 52-322	4
	Social Science - 3 (Diversity)	3	Social Science - 4	3
	Communication	3	Humanities - 3	3
	Fitness - 1	1	Fitness - 2	1
		14		**15**
4	Advanced Inorganic 52-452	4	Elective	1
	Restricted Chemistry Elective*	4	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Humanities - 4	3	Elective	3
		17		**13**

***Total credits = 121**

*** 120 total excluding Seminar**

Note - Humanity, Social Sciences, Communication, Values/Eth/Resp, and electives may be interchanged with respect to when taken.

*Restricted Chemistry Elective (one of the following courses is required): 52.333 Adv. Organic[1], 52.341 Biochem. 1, 52.371 Intro Polymer[1], 52.482 Adv. Topics[1],or 52.492 Research 1

12 credits	Humanities & the Arts
12 credits	Social & Behavioral Sciences
12 credits	Natural Sciences & Mathematics
	Chemistry majors will fulfull the 12 credit Science & Math requirement and do not need to take any extra credits in this area unless they choose to as an elective
2 credits	Fitness & Recreational Skills
9 credits	Communication
3 credits	Quantitative Reasoning (Calc 1 applies to this)
3 credits	Values, Ethics & Responsible Decision Making