

**Bloomsburg University - Department of Chemistry  
Bachelor of Science in Chemistry w/Clinical Option**

Courses (prerequisites)	Cr	Sem. Taken	Courses	Cr	Sem. Taken
<b>Chemistry Courses – 27 credits</b>			<b>Quantitative - 3 credits</b>		
52.115 Chemistry for the Sciences I	4	_____	(Requirement met with 53.125)		_____
52.116 Chemistry for the Sciences II (115)	4	_____			_____
52.231 Organic Chemistry I (116)	4	_____	<b>Values - 3 credits - may be met w/approp. Gr. A or B</b>		_____
52.232 Organic Chemistry II (231)	4	_____	_____	3	_____
52.321 Analytical Chemistry (116)	3	_____			_____
52.341 Biochemistry (116, 231, 232)	4	_____	<b>Fitness - 2 credits</b>		_____
52.361 Physical Chemistry I (116, 54.212, 53.225)	4	_____	_____	1	_____
52.322 Instrumental Analytical Chemistry is strongly recommended		_____	_____	1	_____
			<b>Diversity - 6 credits - may be met w/approp. Gr. A or B</b>		_____
			_____	3	_____
<b>Math Courses – 9 credits</b>					_____
53.125 Calculus 1	3	_____	_____	3	_____
53.126 Calculus 2 (125)	3	_____			_____
53.225 Calculus 3 (126)	3	_____	<b>Group A (Humanities) - 12 credits</b>		_____
			28.270 Logic (recommended)	3	_____
			_____	3	_____
<b>Biology Courses - 7 credits</b>					_____
50.271 Cell Biology	4	_____	_____	3	_____
50.343 Immunology	3	_____	_____	3	_____
					_____
<b>Physics Courses – 8 credits</b>			<b>Group B (Social Sciences) - 12 credits</b>		
54.211 Gen Physics I	4	_____	_____	3	_____
54.212 Gen Physics II (211, 53.125 concurrent)	4	_____	_____	3	_____
			_____	3	_____
			_____	3	_____
<b>General Education - 50 credits total</b>					_____
<b>Communication - 9 credits</b>			<b>Group C (Nat. Sci. &amp; Math) - 12 credits</b>		
Composition 1	3	_____	All requirements met with required science and math courses		_____
Technical Writing 09-231	3	_____			_____
Communications Course	3	_____			_____

## Suggested Course Sequence for Bachelor of Science in Chemistry w/Clinical Option

Year	Fall	Spring
<b>1</b>	Communication 3 Math 53-113/125 3 Chem. Sci. I 52-115 4 Humanities - 1 3 University seminar 1 <b>14</b>	Comp I 20- 101 3 Math 53-125/126 3 Chem. Sci. II 52-116 4 Humanities - 2 3 Social Science - 1 3 <b>16</b>
<b>2</b>	Organic I 52-231 4 Math 126/225 3 Physics I 54-211 4 Technical Writing 09-231 3 Fitness -1 1 <b>15</b>	Organic II 52-232 4 Physics II 54-212 4 Social Science - 2 3 Cell Bio 50-271 4 Fitness - 2 1 <b>16</b>
<b>3</b>	Physical Chem I 52-361 4 Analytical Chem. I 52 -321 3 Social Science-3 (Diversity) 3 Values/Eth/Resp 3 Humanities - 3 (Diversity) 3 <b>16</b>	Immunology 50-343 3 Biochemistry 52-341 4 Social Science - 4 3 Humanities - 4 3 Elective 3 <b>16</b>

**\* Total credits = 93**

**\* 92 total excluding Seminar**

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

Fourth Year (28 credit hrs) spent at the Geisinger Medical Center taking courses and doing research

All students must take the following:

- 12 credits Humanities & the Arts
- 12 credits Social & Behavioral Sciences
- 12 credits Natural Sciences & Mathematics
- Chemistry majors will fulfill 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