

**Bloomsburg University - Department of Biology**  
**Bachelor of Science in Biology - Clinical Laboratory Science - Medical Technology**

<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>	<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>
<b>Biology Courses Required for Major</b>	<b>74</b>		<b>General Education - Total Credits:</b>	<b>38</b>	
50.107 Medical Terminology	1	_____	<b>Communication<sup>2</sup> - 9 Credits</b>		
50.114 Concepts in Biology I	4	_____	1) 20.101 Composition 1	3	_____
50.233 Human Genetics or 50.333 Molecular Biology	3	_____	2) 50.290 Writing for Biology	3	_____
50.242 Microbiology	4	_____	3) <sup>3</sup>	3	_____
50.271 Cell Biology	4	_____	<b>Quantitative<sup>2</sup> - 0 Additional Credits</b>		
50.342 Medical Microbiology	3	_____	56.110 Introduction to Computer Science		
50.343 Immunology	3	_____	<b>Values<sup>2</sup> - 3 Credits</b>		
			1)	3	_____
<b>Clinical Experiences</b>	<b>30</b>		<b>Fitness - 2 Credits</b>		
86.401 Clinical Microbiology		_____	1)	1	_____
86.402 Clinical Hematology/Coagulation		_____	2)	1	_____
86.403 Clinical Chemistry for Medical Technicians		_____			
86.404 Clinical Immunohematology		_____	<b>Group A (Humanities) - 12 Credits</b>		
86.405 Clinical Immunology/Serology		_____	1)	3	_____
86.406 Clinical Seminar		_____	2)	3	_____
			3)	3	_____
<b>Chemistry Requirement - 16 Credits</b>			4)	3	_____
52.115 Chemistry for the Sciences 1	4	_____	<b>Group B (Social Sciences) - 12 Credits</b>		
52.116 Chemistry for the Sciences 2	4	_____	1)	3	_____
52.230 Fund Organic Chemistry	4	_____	2)	3	_____
52.341 Biochemistry	4	_____	3)	3	_____
			4)	3	_____
<b>Mathematics Requirement - 6 credits</b>			<b>Group C (Nat. Sci. &amp; Math) 0 Additional Credits</b>		
53.141 Introduction to Statistics	3	_____	Satisfied by Major Requirements: 50.114, 50.115, 52.115, 53.141		
56.110 Introduction to Computer Science	3	_____			
			<b>Free Electives (varies based on course choices)<sup>1,2</sup></b>	<b>7</b>	
			1)	3	_____
			2)	3	_____
			3)	1	_____
			4)		_____
			<b>Optional University seminar (09.100)</b>	<b>1</b>	_____
			<b>TOTAL CREDITS FOR PROGRAM</b>	<b>120</b>	
			<b>Two Approved Diversity Courses:<sup>4</sup></b>		
			1)		_____
			1)		_____

**Note 1:** A placement test is required for 52.115; 52.101 may be required as a prereq.  
**Note 2:** A maximum of 1 course used for Communication, Quantitative or Values requirement (other than Biology Major Courses) may be used for Group A, B, or C.  
**Note 3:** A foreign Language or 25.103 Public Speaking is recommended by department.  
**Note 4:** Two of the Major, General Ed. or Elective Courses selected must also qualify as Diversity Courses; see approved list in catalog and consult advisor.