

**Bloomsburg University - Department of Biology**  
**Bachelor of Science in Biology**

Courses	Cr.	Taken:	Courses	Cr.	Taken:
<b>Biology Courses Required for Major</b>	<b>73</b>		<b>General Education - Total Credits:</b>	<b>38</b>	
50.114 Concepts in Biology I	4	_____	<b>Communication<sup>2</sup> - 9 Credits</b>		
50.115 Concepts in Biology II	4	_____	1) 20.101 Composition 1	3	_____
50.242 Microbiology	4	_____	2) 50.290 Writing in Biology (or 20.201 Consult Advisor)	3	_____
50.271 Cell Biology	4	_____	3) <sup>3</sup>	3	_____
50.332 Genetics	3	_____	<b>Quantitative<sup>2</sup> - 0 Additional Credits</b>		
50.351 Ecology	3	_____	Satisfied by 1 Math course required for major		
50.481 Senior Biology Seminar	1	_____	<b>Values<sup>2</sup> - 3 Credits</b>		
50.479 Physiology Laboratory	1	_____	1) _____	3	_____
<b>Physiology Elective; choose one of the following:</b>	<b>3</b>		<b>Fitness - 2 Credits</b>		
50.472 Animal Cell Phys; 50.474 Vertebrate Systems Phys;			1) _____	1	_____
50.477 Plant Physiology; 50.478 Microbial Phys; 50.480 Comp Animal Phys			2) _____	1	_____
<b>Biology and/or Marine Science Electives - 12 credits</b>	<b>12</b>		<b>Group A (Humanities) - 12 Credits</b>		
Consult advisor for list of qualified courses			1) _____	3	_____
1) _____			2) _____	3	_____
2) _____			3) _____	3	_____
3) _____			4) _____	3	_____
4) _____			<b>Group B (Social Sciences) - 12 Credits</b>		
<b>Mathematics Requirement - Select 1 option (6 credits)</b>	<b>6</b>		1) _____	3	_____
1) 53.123 Essentials of Calculus and 53.141 Intro. Statistics			2) _____	3	_____
2) 53.125 Calculus I and 53.141 Intro. Statistics			3) _____	3	_____
3) 53.125 Calculus I and 53.126 Calculus II			4) _____	3	_____
(48.160 Basic Statistics may be substituted for 53.141)			<b>Group C (Nat. Sci. &amp; Math) 0 Additional Credits</b>		
<b>Chemistry Requirement - 20 Credits</b>			Satisfied by Major Requirements: 50.114, 50.115, 52.115, 2nd Math Course		
52.115 <sup>1</sup> Chemistry for the Sciences 1	4	_____	<b>Free Electives (varies based on course choices)<sup>1,2</sup></b>	<b>8</b>	
52.116 Chemistry for the Sciences 2	4	_____	1) _____	3	_____
52.231 Organic Chemistry I	4	_____	2) _____	3	_____
52.232 Organic Chemistry II	4	_____	3) _____	2	_____
52.341 Biochemistry	4	_____	4) _____		
<b>Physics Requirement - Select 1 option (8 credits)</b>	<b>8</b>		<b>Optional University seminar (09.100)</b>	<b>1</b>	_____
1) 54.111 Intro Physics I & 54.211 Intro. Physics II			<b>TOTAL CREDITS FOR PROGRAM</b>	<b>120</b>	
2) 54.211 General Physics I & 54.212 General Physics II			<b>Two Approved Diversity Courses:<sup>4</sup></b>		
			1) _____		
			2) _____		

**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.