

**Bloomsburg University - Department of Educational Studies and Secondary Education  
Bachelor of Science in Secondary Education and Physics**

<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>	<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>
<b>Courses Required for Physics Major</b>	<b>39</b>	_____	<b>Values - 3 Credits</b>		
52.116 Chemistry for Sciences II	4	_____	1) 41.105 Environmental Issues & Choices	3	_____
53.322 Differential Equations	3	_____	<b>Fitness - 2 Credits</b>		
54.211 General Physics I	4	_____	1) _____	1	_____
54.212 General Physics II	4	_____	2) _____	1	_____
54.302 Mechanics: Dynamics	3	_____	<b>Group A (Humanities)<sup>2</sup> - 9 additional Credits</b>		
54.310 Modern Atomic Physics	3	_____	1) 25.103 Public Speaking or 25.104 Interpersonal Comm.		
54.314 Electricity & Magnetism	3	_____	2) _____	3	_____
54.315 Electronics	4	_____	3) _____	3	_____
54.318 Optics	4	_____	4) _____	3	_____
Physics Elective (300 or above)	4	_____	<b>Group B (Social Sciences) - 12 Credits</b>		
56.116 Algorithmic Processes	3	_____	1) 45.211 Prin. Sociology or 46.200 Prin. Cult. Anthropology	3	_____
			2) 48.101 General Psychology	3	_____
<b>Courses Required for Secondary Education</b>	<b>32</b>	_____	3) 48.212 Adolescence	3	_____
60.204 Educational Computing & Technology	3	_____	4) 70.101 Introduction to Exceptional Individuals	3	_____
or 60.350 Instructional Design Systems			<b>Group C (Nat. Sci. &amp; Math) - 12 Credits</b>		
or 60.351 Virtual Learning Communities			1) 54.400 Advanced Physics Lab	2	_____
60.206 Teachers, Schools and Society	2	_____	2) 52.115 Chemistry for Sciences I	4	_____
60.251 Psychological Foundations of Education	3	_____	3) 53.126 Calculus II	3	_____
60.291 Principles of Teaching	3	_____	4) 53.225 Calculus III	3	_____
60.311 Classroom Measurement & Assessment	3	_____	<b>TOTAL CREDITS FOR PROGRAM</b>	<b>121</b>	
60.393 Social Found. Ed. Or 60.406 Multicultural Ed.	3	_____			
60.453 Teaching of Science	3	_____	<b>Optional University seminar (09.100)</b>	<b>1</b>	_____
60.497 Teaching in Education: First Experience	6	_____	<b>Total credits with University Seminar</b>	<b>122</b>	
60.498 Teaching in Education: Second Experience	6	_____			
			<b>Two Approved Diversity Courses (satisfied by major requirements)</b>		
<b>General Education - Total Credits:</b>	<b>50</b>	_____	Satisfied by 70.101 and 60.393 or 60.406 required by major		
<b>Communication<sup>2</sup> - 9 Credits</b>					
20.101 Composition 1	3	_____			
Writing Intensive Literature Course or 20.201 Composition 2	3	_____			
25.103 Public Speaking or 25.104 Interpersonal Comm.	3	_____			
<b>Quantitative - 3 Credits</b>					
53.125 Calculus I <sup>1</sup>	3	_____			

<p><b>Note 1:</b> A placement test is required for 53.125; students who need one or more prerequisite courses will need more than 121 credits to complete the program.</p> <p><b>Note 2:</b> Students must count one Communications course under the Group A category, as allowed by General Education Policy, to complete program within 120 credits.</p> <p>This program shows 25.103 or 25.104 double counted as an example.</p>
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