

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

<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>	<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>
<b>Courses Required for Earth Science Major</b>	<b>40</b>		<b>Values - 3 Credits</b>		
50.114 Concepts Biology I	4	_____	1)	3	_____
51.120 Physical Geology	3	_____	<b>Fitness - 2 Credits</b>		
51.121 Physical Geology Lab	1	_____	1)	1	_____
51.130 Historical Geology	3	_____	2)	1	_____
51.131 Historical Geology Lab	1	_____	<b>Group A (Humanities)<sup>2</sup> - 9 additional Credits</b>		
51.255 Meteorology	3	_____	1) 25.103 Public Speaking or 25.104 Interpersonal Comm.		
51.259 Oceanography	3	_____	2)	3	_____
52.115 Chemistry for Sciences I <sup>1</sup>	4	_____	3)	3	_____
52.116 Chemistry for Sciences II	4	_____	4)	3	_____
53.113 Precalculus or 53.123 Essentials Calculus			<b>Group B (Social Sciences) - 12 Credits</b>		
or 53.125 Calculus I <sup>1</sup> or 53.126 Calculus II	3	_____	45.211 Prin. Sociology or 46.200 Prin. Cult. Anthropology	3	_____
54.110 Introduction to Astronomy	3	_____	48.101 General Psychology	3	_____
54.111 Introductory Physics I (or 54.211 General Physics I)	4	_____	48.212 Adolescence	3	_____
54.112 Introductory Physics II (or 54.212 General Physics II)	4	_____	70.101 Introduction to Exceptional Individuals	3	_____
			<b>Group C (Nat. Sci. &amp; Math) - 0 Additional Credits</b>		
<b>Courses Required for Secondary Education</b>	<b>32</b>	_____	50.114 Concepts Biology I		_____
60.204 Educational Computing & Technology			51.120 Physical Geology		_____
or 60.350 Instructional Design Systems			52.115 Chemistry for Sciences I <sup>1</sup>		_____
or 60.351 Virtual Learning Communities	3	_____	54.110 Introduction to Astronomy		_____
60.206 Teachers, Schools and Society	2	_____			
60.251 Psychological Foundations of Education	3	_____	<b>Free Electives (Consult Advisors)</b>	<b>9</b>	
60.291 Principles of Teaching	3	_____	1)	3	_____
60.311 Classroom Measurement & Assessment	3	_____	2)	3	_____
60.393 Social Foundations of Ed or 60.406 Multicultural Ed	3	_____	3)	3	_____
60.453 Teaching of Science	3	_____			
60.497 Teaching in Education: First Experience	6	_____	<b>Optional 09.100 University Seminar</b>	<b>1</b>	_____
60.498 Teaching in Education: Second Experience	6	_____			
<b>General Education - Total Credits:</b>	<b>38</b>		<b>TOTAL CREDITS FOR PROGRAM</b>	<b>120</b>	
<b>Communication<sup>2</sup> - 9 Credits</b>					
20.101 Composition 1	3	_____	<b>Two Approved Diversity Courses (satisfied by major requirements)</b>		
Writing Intensive Literature Course or 20.201 Composition 2	3	_____	Satisfied by 70.101 and 60.393 or 60.406 required by major		
25.103 Public Speaking or 25.104 Interpersonal Comm.	3	_____			
<b>Quantitative - 3 Credits</b>					
56.110 Introduction to Computer Science	3	_____			

<p><b>Note 1:</b> A placement test is required for 52.115 and 53.125; students who need one or more prerequisite courses will need more than 120 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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