

**Bloomsburg University - Department of Mathematics, Computer Science and Statistics**  
**Bachelor of Arts in Mathematics**

<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>	<b>Courses</b>	<b>Cr.</b>	<b>Taken:</b>
<b>Mathematics BA Requirements</b>	<b>47</b>		<b>Values<sup>2</sup> - 3 Credits</b>		
53.125 Calculus I	3	_____	1) _____	3	_____
53.126 Calculus II	3	_____	<b>Fitness - 2 Credits</b>		
53.225 Calculus III	3	_____	1) _____	1	_____
53.226 Calculus IV	3	_____	2) _____	1	_____
53.185 Discrete Mathematics	3	_____	<b>Group A (Humanities)<sup>2</sup> - 9 Additional Credits</b>		
53.241 Probability & Statistics	3	_____	1) Satisfied by Communications or Values Course		
53.310 Intro Abstract Algebra or 53.421 Advanced Calculus	3	_____	2) _____	3	_____
53.314 Linear Algebra	3	_____	3) _____	3	_____
53.410 Mathematical Modeling	3	_____	4) _____	3	_____
<b>Mathematics Electives (300 or above; at least 1 from the following):</b>			<b>Group B (Social Sciences)<sup>2</sup> - 12 Credits</b>		
53.322 Differential Equations, 53.331 Modern Geometry, 53.360 Number Theory, 53.421 Advanced Calculus, 53.422 Complex Variables			1) _____	3	_____
1) _____	3	_____	2) _____	3	_____
2) _____	3	_____	3) _____	3	_____
			4) _____	3	_____
<b>Select one Computer Science Sequence (6 to 8 Credits<sup>1</sup>):</b>	<b>8</b>		<b>Group C (Nat. Sci. &amp; Math) - 6 Additional Credits</b>		
Option A1) 56.121 Object-Oriented Prog with Java (4 cr)		_____	1) Satisfied by major requirement 53.125		
Option A2) 56.122 Graphical User Interfaces in Java (4 cr) <i>or other 300 or higher 56 course (3 to 4 credits)</i>		_____	2) Satisfied by major requirement 53.185		
Option B1) 56.123 Visual Basic I (3)		_____	3) _____	3	_____
Option B2) 56.223 Visual Basic II (3)		_____	4) _____	3	_____
<b>Six credits minimum in a discipline to which mathematics is applied.</b>			<b>Free Electives<sup>1</sup></b>	<b>31</b>	
<b>Consult Advisor; may be applied to Gen Ed distribution requirement<sup>1</sup>.</b>			1) _____	3	_____
1) _____	3	_____	2) _____	3	_____
2) _____	3	_____	3) _____	3	_____
			4) _____	3	_____
<b>General Education - Total Additional Credits:</b>	<b>41</b>		5) _____	3	_____
<b>Communication<sup>2</sup> - 9 Credits</b>			6) _____	3	_____
1) 20.101 Composition 1	3	_____	7) _____	3	_____
2) 2nd level Writing Course:	3	_____	8) _____	3	_____
3) _____	3	_____	9) _____	3	_____
<b>Quantitative - 0 Additional Credits</b>			10) _____	4	_____
Satisfied by Major requirement 53.126			11) _____		
<b>Note 1:</b> Total Free Electives will depend on Major Elective Choices.			12) _____		
<b>Note 2:</b> One Communications or Values course counts as Group A or B.			<b>Optional 09.100 University Seminar<sup>3</sup></b>	<b>1</b>	_____
<b>Note 3:</b> If 09.100 not taken, then take additional Free Elective Credit.			<b>TOTAL CREDITS FOR PROGRAM</b>	<b>120</b>	
<b>Note 4:</b> Two Major General Education Elective Courses selected must also			<b>Two Approved Diversity Courses<sup>4</sup></b>		
			1)		