

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

Courses	Cr.	Taken:	Courses	Cr.	Taken:
Mathematics BA Requirements	47		Values² - 3 Credits		
53.125 Calculus I	3	_____	1) _____	3	_____
53.126 Calculus II	3	_____	Fitness - 2 Credits		
53.225 Calculus III	3	_____	1) _____	1	_____
53.226 Calculus IV	3	_____	2) _____	1	_____
53.185 Discrete Mathematics	3	_____	Group A (Humanities)² - 9 Additional Credits		
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	_____
Mathematics Electives (300 or above; at least 1 from the following):			Group B (Social Sciences)² - 12 Credits		
53.322 Differential Equations, 53.360 Number Theory, 53.421 Advanced Calculus, 53.422 Complex Variables			1) _____	3	_____
1) _____	3	_____	2) _____	3	_____
2) _____	3	_____	3) _____	3	_____
			4) _____	3	_____
Select one Computer Science Sequence (6 to 8 Credits¹):	8		Group C (Nat. Sci. & Math) - 6 Additional Credits		
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	_____
Six credits minimum in a discipline to which mathematics is applied.			Free Electives¹	31	
Consult Advisor; may be applied to Gen Ed distribution requirement¹.			1) _____	3	_____
1) _____	3	_____	2) _____	3	_____
2) _____	3	_____	3) _____	3	_____
			4) _____	3	_____
General Education - Total Additional Credits:	41		5) _____	3	_____
Communication² - 9 Credits			6) _____	3	_____
1) 20.101 Composition 1	3	_____	7) _____	3	_____
2) 2nd level Writing Course:	3	_____	8) _____	3	_____
3) _____	3	_____	9) _____	3	_____
Quantitative - 0 Additional Credits			10) _____	4	_____
Satisfied by Major requirement 53.126			11) _____		
Note 1: Total Free Electives will depend on Major Elective Choices.			12) _____		
Note 2: One Communications or Values course counts as Group A or B.			Optional 09.100 University Seminar³	1	_____
Note 3: If 09.100 not taken, then take additional Free Elective Credit.			TOTAL CREDITS FOR PROGRAM	120	
Note 4: Two Major, General Ed. or Elective Courses selected must also qualify as Diversity Courses; see approved list in catalog and consult advisor.			Two Approved Diversity Courses⁴		
			1) _____		
			2) _____		