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

Courses	Cr.	Taken:	Courses	Cr.	Taken:
Mathematics BS Requirements	**50**		**Quantitative - 0 Additional Credits**		
53.125 Calculus I	3	_____	Satisfied by Major requirement 53.126		
53.126 Calculus II	3	_____	**Values[2] - 3 Credits**		
53.225 Calculus III	3	_____	1)	3	_____
53.226 Calculus IV	3	_____	**Fitness - 2 Credits**		
53.185 Discrete Mathematics	3	_____	1)	1	_____
53.241 Probability & Statistics	3	_____	2)	1	_____
53.310 Intro Abstract Algebra or 53.421 Advanced Calculus	3	_____	**Group A (Humanities)[2] - 9 Additional Credits**		
53.314 Linear Algebra	3	_____	1) Satisfied by Communications or Values Course		
53.410 Mathematical Modeling	3	_____	2)	3	_____
Mathematics Electives (300 or above; at least 1 from the following):			3)	3	_____
53.322 Differential Equations, 53.331 Modern Geometry, 53.360 Number Theory, 53.421 Advanced Calculus, 53.422 Complex Variables			4)	3	_____
			Group B (Social Sciences)[2] - 12 Credits		
1)	3	_____	1)	3	_____
2)	3	_____	2)	3	_____
Select one Computer Science Sequence (6 to 8 Credits[1]):			3)	3	_____
56.121 Obj-Or Prog Java & 53.122 Graph User Interfaces Java	8		4)	3	_____
or 56.123 Visual Basic I & Visual Basic II	6	_____	**Group C (Nat. Sci. & Math) - 11 Additional Credits**		
BS Concentration - minimum 9 credits from one of the following groups			1) Satisfied by major requirement 53.125		
Applied Math (3 courses from 53.322, 342, 343, 361, 381, 461, 471, or 472)			2) 54.211 General Physics I	4	_____
Computer Science (3 courses from 56.221 & higher)			3) 54.212 General Physics II	4	_____
Statistics (3 courses from 53.240, 243, 342, 343, 441, 446, 461, 452)			4)	3	_____
Actuarial Science (3 courses from 53.360, 53.411, 53.421, 53.422, 53.451)					
Grad School Prep (3 courses from 53.360, 53.411, 53.421, 53.422, 53.451)			**Free Electives[1]**	**23**	
Physics (3 courses from 54-400 & higher)			1)	3	_____
1)	3	_____	2)	3	_____
2)	3	_____	3)	3	_____
2)	3	_____	4)	3	_____
			5)	3	_____
			6)	3	_____
General Education - Total Additional Credits:	**46**		7)	3	_____
Communication[2] - 9 Credits			8)	2	_____
1) 20.101 Composition 1	3	_____	9)		_____
2) 2nd level Writing Course:	3	_____	10)		_____
3)	3	_____	**Optional 09.100 University Seminar[3]**	**1**	_____
Note 1: Total Free Electives will depend on Major Elective Choices.			**TOTAL CREDITS FOR PROGRAM**	**120**	
Note 2: One Communications or Values course counts as Group A or B.			**Two Approved Diversity Courses[4]**		
Note 3: If 09.100 not taken, then take additional Free Elective Credit.			1)		
Note 4: Two Major, General Ed, or Elective Courses selected must also					