

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	_____	Values² - 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, 53.360 Number Theory, 53.421 Advanced Calculus, 53.422 Complex Variables			4) _____	3	_____
1) _____	3	_____	Group B (Social Sciences)² - 12 Credits		
2) _____	3	_____	1) _____	3	_____
Select one Computer Science Sequence (6 to 8 Credits¹):			2) _____	3	_____
56.121 Obj-Or Prog Java & 53.122 Graph User Interfaces Java	8	_____	3) _____	3	_____
or 56.123 Visual Basic I & Visual Basic II	6	_____	4) _____	3	_____
BS Concentration - minimum 9 credits from one of the following groups			Group C (Nat. Sci. & Math) - 11 Additional Credits		
Applied Math (3 courses from 53.322, 342, 343, 361, 381, 461, 471, or 472)			1) Satisfied by major requirement 53.125		
Computer Science (3 courses from 56.221 & higher)			2) 54.211 General Physics I	4	_____
Statistics (3 courses from 53.240, 243, 342, 343, 441, 446, 461, 452)			3) 54.212 General Physics II	4	_____
Actuarial Science (3 courses from 53.360, 53.411, 53.421, 53.422, 53.451)			4) _____	3	_____
Grad School Prep (3 courses from 53.360, 53.411, 53.421, 53.422, 53.451)			Free Electives¹	23	
Physics (3 courses from 54-400 & higher)			1) _____	3	_____
1) _____	3	_____	2) _____	3	_____
2) _____	3	_____	3) _____	3	_____
2) _____	3	_____	4) _____	3	_____
General Education - Total Additional Credits:	46		5) _____	3	_____
Communication² - 9 Credits			6) _____	3	_____
1) 20.101 Composition 1	3	_____	7) _____	3	_____
2) 2nd level Writing Course:	3	_____	8) _____	2	_____
3) _____	3	_____	9) _____		_____
Note 1: Total Free Electives will depend on Major Elective Choices.			10) _____		_____
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) _____		_____