

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

Courses	Cr.	Taken:	Courses	Cr.	Taken:
Computer Science Course Requirements:	75	_____	General Education - Total Credits:	35	
56.120 Computer Science Seminar ¹	1	_____	Communication² - 9 Credits		
56.121 Object-Oriented Programming with Java	4	_____	1) 20.101 Composition 1	3	_____
56.122 Graphical User Interfaces in Java	4	_____	2) 09.231 Technical Writing	3	_____
56.221 Advanced Java	4	_____	3) 25.103 Public Speaking	3	_____
56.240 Advanced Systems Languages	3	_____	Quantitative - 0 Additional Credits		
56.255 Data Structures using C++	4	_____	Satisfied by Major requirement 53.125		
56.330 Computer Organization	3	_____	Values - 3 Credits		
56.355 Analysis of Algorithms & Data Structures	3	_____	1) _____	3	_____
56.357 Principles of Database Design	3	_____	Fitness - 2 Credits		
56.386 Concurrent Prog & Found of Operating Systems	3	_____	1) _____	1	_____
56.480 Object-Oriented Software Engineering	4	_____	2) _____	1	_____
Required Mathematics Courses:			Group A (Humanities)¹ - 9 Additional Credits		
53.125 Calculus I	3	_____	1) Satisfied by major requirement 25.103		
53.126 Calculus II	3	_____	2) _____	3	_____
53.185 Discrete Mathematics	3	_____	3) _____	3	_____
53.141 Intro to Statistics or 53.241 Probability & Statistics	3	_____	4) _____	3	_____
Math Elective (53.200 or above):	3	_____	Group B (Social Sciences)¹ - 12 Credits		
Computer Science Electives, 9 credits minimum from:			1) _____	3	_____
56.323 Artificial Intelligence; 56.348 Data Mining; 56.356 Windows Programming;			2) _____	3	_____
56.373 Numerical Methods in Computing;; 56.375 Local Area Networks;			3) _____	3	_____
56.410 Comp Graphics; 56.456 Theory Computation; 56.457 Database Design II;			4) _____	3	_____
56.461 Internet Programming; 56.491 Special Topics; 56.497 Internship			Group C (Nat. Sci. & Math) - 0 Additional Credits		
1) _____	3	_____	Satisfied by major requirements in Math and Science		
2) _____	3	_____	Free Electives	10	
3) _____	3	_____	1) _____	3	_____
Science Requirement: 12 credits from 2 departments			2) _____	3	_____
Must include 2-semester Laboratory Sequence			3) _____	4	_____
1) _____	4	_____	4) _____		
2) _____	4	_____	TOTAL CREDITS FOR PROGRAM	120	
3) _____	4	_____	Two Approved Diversity Courses³		
4) _____			1) _____		
One additional Mathematics or Science Elective			2) _____		
1) _____	3	_____			
Note 1: Substitutes for University Seminar (09.100)					
			Note 2: One Communications or Values course may also count as Group A or B;		
			If this option is used, then take an additional free elective to reach 120 credits.		
			Note 3: Two Major, General Ed. or Elective Courses selected must also		
			qualify as Diversity Courses; see approved list in catalog and consult advisor		