

BS in Computer Science Curriculum Map

	1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.1	4.2	4.3	5.1	5.2	5.3
GE- Foundation Freshman Seminar 1											I	I		I	I
GE- Foundation Freshman Seminar 2											A	A		A	A
GE- Foundation Armenian Lang / Lit 1											I	I		I	
GE- Foundation Armenian Lang / Lit 2											A	A		A	
GE- Foundation Armenian History 1														I	
GE- Foundation Armenian History 2														A	
GE-AH (2 courses)										B	I	B		I	
GE-SS (2 courses)										B				I	
GE-QS (2 courses)										B				I	B
CS 100 Calculus 1	B														
CS 101 Calculus 2	B														
CS 102 Calculus 3	I														
CS 103 Real Analysis	I	I												A	
CS 104 Linear Algebra	B	B													
CS 105 ODE	I	I													
CS 107 Probability	B	B													
CS 108 Statistics	I	I													
CS 110 Intro to Computer Science	B		B										A		
CS 111 Discrete Math	B	B													
CS 112 Numerical Analysis		I				I	I		I				A		
CS 120 Intro to OOP			B					B	B				A		
CS 121 Data Structures			B				I	I	I				A		
CS 130 Computer Organization			I										A		B
CS 131 HCI			A			I			I	A			A		
CS 132 Theory of Communication Networks			I										A		B
ENGS 121 Mechanics				A											A
CS 202 Functional Analysis		A				A								A	
CS 205 Partial Differential Equations	A	A				A									
CS 207 Intro to Combinatorial Topology					I										
CS 211 Algorithms		A				I	A						A		
CS 213 Optimization		A			I	A	A						A		I
CS 214 Finite Element Methods		A			A		A	A							
CS 215 Cryptography				A	A	A							A		A
CS 217 Computer Graphics				I						A					I
CS 218 Game Development				I			I	I							
CS 219 Mobile Application Development				I			I	I							
CS 220 Parallel & HP Computing					A	A	A	A					A		A
CS 221 Distributed Systems			A		A		A	A	A				A		A
CS 222 Databases			A			I	A	A	A	A			A		
CS 226 Math Modeling Applications	A	A		A		A				A	A				A
CS 230 Software Testing Fundamentals								I	I						
CS 232 Cybersecurity						A			A						
CS 236 Compiler Design			A					A	A						
CS 245 Bioinformatics				I	A					A					A
CS 246 Artificial Intelligence				I	A					A					A
CS 251 Machine Learning						A	A	A							
CS 252 Data Science	I					I		I							
CS 260 Image Processing	A	A		A			A	A	A	A	A		A		A
CS 290 Special Topics in Applied Computer Science					A			A							
CS 296 Capstone				A		A				A	A	A	A	A	A

B=Beginning; I=Intermediate; A=Advanced