Computer Science (B.S.)

2017-2018 catalog

Student Name: _____ **ID Number:** _____

Major Requirements

All classes must be completed with a C- grade or better.

Term Completed/Planned	Grade	Credit	Course #	Title
		4	CSC160	Introduction to Computer Science and Communication
		4	CSC170	Introduction to Programming
		4	CSC210	Data Structures
		4	CSC240	Introduction to Networking and Communications
		4	CSC320	Algorithms
		4	CSC345	Principles of Computer Organization
		4	CSC385	Formal Logic and Computation Theory
		4	CSC450	Programming Languages and Compilers I
		4	CSC451	Programming Languages and Compilers II
		4	MAT145	Calculus I (NSM)
		4	MAT146	Calculus II (NSM)
Complete **two (2)** math electives, chosen from:				
		4	MAT245	Calculus III
		4	MAT246	Linear Algebra
		4	MAT271	Discrete Mathematical Structures
		4	MAT369	Modeling and Differential Equations in Biological and Natural Sciences
Complete **three (3)** electives, including at least two upper division electives, chosen from:				
		4	CSC250	Game Programming on the Web
		4	CSC272	Unix and C
		4	CSC310	Introduction to Data Science
		4	CSC352	Database Management and Design
		4	CSC353	Database Architecture and Design
		4	CSC373	Symbolic Programming and Artificial Intelligence
		4	CSC399	Internship
		4	CSC431	Introduction to A.I. Robotics
		4	CSC457	Computer Graphics
		4	CSC495	Advanced Topics
		4	CSC499	Independent Study
		4	MAT355	Numerical Mathematics and Computation
		4	MIS475	Systems Analysis and Design
		4	PHY261	Electronics
Complete **one (1)** Speaking skill course				
		4	COM115	Scientific and Technical Public Speaking (HUM)
		4	COM111	Public Speaking (HUM)
		2	MAT201	Communicating Mathematics

Abbreviation Key: ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities

Student Signature _____ Date _____ Advisor Signature _____ Date _____

Student and advisor signature are required for submission with the Intent to Graduate form.