

Computer Science (B.S.)

2016-2017 catalog



Student Name: _____ ID Number: _____

Major Requirements

All classes must be completed with a 2.0 grade or better.

Term Completed/Planned	Grade	Credit	✓	Course #	Title
_____	_____	4	<input type="checkbox"/>	CSC160	Introduction to Computer Science and Communication
_____	_____	4	<input type="checkbox"/>	CSC170	Introduction to Programming
_____	_____	4	<input type="checkbox"/>	CSC210	Data Structures
_____	_____	4	<input type="checkbox"/>	CSC240	Introduction to Networking and Communications
_____	_____	4	<input type="checkbox"/>	CSC320	Algorithms
_____	_____	4	<input type="checkbox"/>	CSC345	Principles of Computer Organization
_____	_____	4	<input type="checkbox"/>	CSC385	Formal Logic and Computation Theory
_____	_____	4	<input type="checkbox"/>	CSC450	Programming Languages and Compilers I
_____	_____	4	<input type="checkbox"/>	CSC451	Programming Languages and Compilers II
_____	_____	4	<input type="checkbox"/>	MAT145	Calculus I (NSM)
_____	_____	4	<input type="checkbox"/>	MAT146	Calculus II (NSM)

Complete **two (2)** math electives, chosen from:

_____	_____	4	<input type="checkbox"/>	MAT245	Calculus III
_____	_____	4	<input type="checkbox"/>	MAT246	Linear Algebra
_____	_____	4	<input type="checkbox"/>	MAT271	Discrete Mathematical Structures
_____	_____	4	<input type="checkbox"/>	MAT369	Modeling and Differential Equations in Biological and Natural Sciences

Complete **three (3)** electives, including at least two upper division electives, chosen from:

_____	_____	4	<input type="checkbox"/>	CSC250	Game Programming on the Web
_____	_____	4	<input type="checkbox"/>	CSC272	Unix and C
_____	_____	4	<input type="checkbox"/>	CSC310	Introduction to Data Science
_____	_____	4	<input type="checkbox"/>	CSC352	Database Management and Design
_____	_____	4	<input type="checkbox"/>	CSC353	Database Architecture and Design
_____	_____	4	<input type="checkbox"/>	CSC373	Symbolic Programming and Artificial Intelligence
_____	_____	4	<input type="checkbox"/>	CSC399	Internship
_____	_____	4	<input type="checkbox"/>	CSC431	Introduction to A.I. Robotics
_____	_____	4	<input type="checkbox"/>	CSC457	Computer Graphics
_____	_____	4	<input type="checkbox"/>	CSC495	Advanced Topics
_____	_____	4	<input type="checkbox"/>	CSC499	Independent Study
_____	_____	4	<input type="checkbox"/>	MAT355	Numerical Mathematics and Computation
_____	_____	4	<input type="checkbox"/>	MIS475	Systems Analysis and Design
_____	_____	4	<input type="checkbox"/>	PHY261	Electronics

Complete **one (1)** Speaking skill course

_____	_____	4	<input type="checkbox"/>	COM115	Scientific and Technical Public Speaking (HUM)
_____	_____	4	<input type="checkbox"/>	COM111	Public Speaking (HUM)
_____	_____	2	<input type="checkbox"/>	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

Faculty Adviser Signature

Date

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