

**Computer Science minor**

2020-2021 catalog

**Student Name:** \_\_\_\_\_ **ID Number:** \_\_\_\_\_

**Minor Requirements**

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

Term Completed/Planned	Grade	Credit	Course #	Title
Complete <b>one (1)</b> of CSC160 or CSC165				
_____	_____	4	CSC160	Introduction to Computer Science and Communication
_____	_____	4	CSC165	Introduction to Computer Programming (Python)
Complete <b>both</b> CSC170 and CSC210				
_____	_____	4	CSC170	Introduction to Object-Oriented Programming (Java)
_____	_____	4	CSC210	Data Structures
Complete <b>one (1)</b> of CSC320 or CSC345				
_____	_____	4	CSC320	Algorithms ( <i>may only count once toward the minor</i> )
_____	_____	4	CSC345	Principles of Computer Organization ( <i>may only count once toward the minor</i> )
Complete <b>one (1)</b> upper division CSC elective, chosen from:				
_____	_____	4	CSC310	Introduction to Data Science
_____	_____	4	CSC320	Algorithms
_____	_____	4	CSC345	Principles of Computer Organization
_____	_____	4	CSC352	Database Management and Design
_____	_____	4	CSC353	Database Architecture and Design
_____	_____	4	CSC373	Symbolic Programming and Artificial Intelligence
_____	_____	4	CSC385	Formal Logic and Computation Theory
_____	_____	4	CSC395	Topics in Computer Science
_____	_____	4	CSC431	Introduction to A.I. Robotics
_____	_____	4	CSC443	Software Engineering
_____	_____	4	CSC450	Programming Languages
_____	_____	4	CSC451	Compilers
_____	_____	4	CSC457	Computer Graphics
_____	_____	4	CSC495	Advanced Topics in Computer Science
_____	_____	4	CSC499	Independent Study
Complete <b>one (1)</b> of MAT171 or MAT271				
_____	_____	4	MAT171	Discrete Mathematics for Computing (NSM)
_____	_____	4	MAT271	Discrete Mathematical Structures

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's Signature Date  
Advisor signature below is only necessary if substitutions/waivers are made to the coursework.

\_\_\_\_\_  
Advisor's Printed Name Signature Date  
Advisor(s): By signing, you indicate you have verified the accuracy of the information above. Faculty advisors must initial next to each course substitution/waiver and sign this form.