

Computer Science Transfer Pathway

Normandale Community College

Requirements based on 2025-26 academic catalogue | Updated 8/7/25

This document is designed for Normandale students completing the Computer Science Transfer Pathway A.A. with the intent to transfer to Gustavus Adolphus College and complete the Computer Science B.A. degree. Students who do not intend to complete the 60-credit degree should contact Julia Macor at jmacor@gustavus.edu to plan course selections.

Below is the list of approved course work from the pathway that meets general education requirements or Computer Science major requirements. All courses must be completed with a C- or better to transfer.

Normandale course – major and goal areas	Credits	Gustavus Adolphus course (current status)
Required pathway courses:		
CSCI 1101 Intro to Computer and Problem Solving	4	None within MCS department
CSCI 1111 Intro to Programming in C	4	None within MCS department
CSCI 2001 Computer Programming Concepts	4	None within MCS department
CSCI 2002 Algorithms and Data Structures	4	MCS-178
CSCI 2021 Machine Architecture and Organization	4	None within MCS department
CSCI 2011 or MATH 2011 Discrete Structures	4	MCS-150
Complete one course:		
*CSCI 1202 Intro to Object-Orientate Programming in C+	4	MCS-177
CSCI 1203 Intro to Computer Programming in Java		
CSCI 2033 or MATH 2033 Elementary Computations Linear Algebra	4	None within MCS department
	4	None within MCS department
MATH 1510 Calculus 1	5	MCS 121
ENGC 1101 College Writing	4	English elective
COMM 1111 Interpersonal Communications*	3	COM 117
*Recommended for university	48	

Goal areas for MnTC		General education
Completion of MnTC requirements (Strongly recommended to complete)	12-20	Meets most general education requirements
Total credits transferred for A.A degree	60-68	

Remaining major courses for Computer Science B.A. degree	Credits
MCS 177 Computer Science I	0
MCS 178 Computer Science II	0
MCS 287 Principles of Programming languages	4
MCS 374 Software Engineering	4
MCS 150 Discrete Mathematics	0
MCS 250 Discrete Mathematics II	4
MCS 375 Algorithms: Analysis and Design	4
MCS 189 Introduction to Data	4
MCS 210 Computing in Society	4
MCS 276 Intro Systems I	4
MCS 376 Intro Systems II	4
Elective: Choose one	4
MCS 381 Social Computing	
MCS 382 Machine Learning	
MCS 384 Prob Solving & Competitive Programming	
Total credits required for the major	36

Remaining graduation requirements for B.A. degree	Credits
CHAL (Challenge Seminar)	4
SIGX (Signature Experience) for students starting at Gustavus Fall 2026 and later	4
Elective credits to reach a minimum of 128 credits**	Varies
Total credits for B.S. degree	120