



Normandale Community College
Approved Courses for Computer Science Transfer Pathway (AS)

This guide is intended for students completing the Computer Science AS Transfer Pathway. Students who do not intend to complete the 60 credit program should refer to our Transfer Guide for Normandale Community College at <http://web.augsburg.edu/registrar/transfer/guides/normandale.pdf>.

The table below lists the Normandale courses that have approved equivalencies at Augsburg University or fulfill requirements for the B.S. Computer Science degree and general graduation requirements.

Normandale Course	Augsburg University	
ENGC 1101 Freshman Composition	4	ENL 111 Effective Writing
COMM 1101 Fundamentals of Public Speaking	3	COM 111 Public Speaking
<i>Required courses for AS degree:</i>		
CSCI 1101 Intro to Computing/Problem Solving CSCI 1111 Intro to Programming in C CSCI 2001 Computer Programming CSCI 2002 Algorithms and Data Structures CSCI 2021 Machine Architecture/Organization MATH 1510 Calculus I	25	CSC 160 Intro to Computer Science CSC 272 Unix and C CSC 170 Introduction to Programming CSC 210 Data Structures CSC 345 Principles Computer Organization MAT 145 Calculus I
<i>Additional courses – choose one:</i> CSCI 2011 Discrete Structures MATH 2011 Discrete Structures <i>Choose one:</i> CSCI 1202 Intro Object-Orientated Program C+ CSCI 1203 Intro Computer Programming Java CSCI 2033 Elementary Computational Linear Algebra MATH 2033 Elementary Computational Linear Algebra	8	MAT 171 Discrete Mathematics MAT 171 Discrete Mathematics CSC 170 Introduction to Programming CSC 170 Introduction to Programming MAT 2XX level elective* MAT 2XX level elective*
<i>Complete 20 general credits from at least 4 goal areas:</i> Goal area 3: Choose 1 science course with a lab Goal area 5: PSYC 1110 and SOCI 1100 Goal area 6: Choose 1 ART, MUSC, or THTR introduction course or PHIL 1101, 1102, or 1103 Goal area 7-10: Choose one course any goal area	20	Natural Science/Math requirement Social and Behavioral Science requirement Fine Arts requirement Humanities requirement Transfer elective credit
Total credits for AS degree	60	*recommended for Augsburg

		<i>Remaining courses to complete Augsburg Computer Science B.S. degree:</i>
	48	<i>Major requirements:</i> CSC 320 Algorithms CSC 385 Formal Logic/Computation Theory CSC 450 Programming Languages MAT 271 Discrete Mathematical Structures CSC 240 Information Security and Assurance <i>Choose one User-client course:</i> 352, 396, or 395 <i>Choose one semester-long project:</i> 443, 451, 395 or MIS 476 <i>Choose two electives:</i> CSC 200+, MAT 355 or PHY 261 <i>Choose one elective for computing with data:</i> MAT 213, 272, 270, 145, or 271 <i>Choose one:</i> MAT 146, 246, or 304 <i>Choose one MAT elective:</i> 163, 164, or 200+
	4	Choose 1 Keystone course
	0-4	Augsburg Experience
	4-16	<i>Remaining Augsburg graduation requirements:</i> RLN 100 Search for Meaning WEL 100 Foundations of Fitness Remaining LAF requirements (1- 3 courses)
	0-12	Elective credits
	68	Total credits completed at Augsburg
	128	Final credit count for Augsburg B.S. degree

Refer to the [current catalog](#) for more information. For information about the educational opportunities available at Augsburg, please contact **Augsburg Transfer Admissions**

E-mail: transfer@augsborg.edu

Phone: (612) 330-1001

<http://www.augsburg.edu/transfer/>

Students pursuing a B.A. degree in Computer Science, MIS, or other Computer Science major will have variations in the required course work at Augsburg. Please consult with an Augsburg transfer specialist for more details. Courses must be graded at a C- or better to transfer.