

Computer Science Transfer Pathway (AS)

60 Credits

The Computer Science Transfer Pathway AS offers students a powerful option: the opportunity to complete an Associate of Science degree with course credits that directly transfer to designated Computer Science bachelor's degree programs at Minnesota State universities. The curriculum has been specifically designed so that students completing this pathway degree and transferring to one of the seven Minnesota State universities enter the university with junior-year status. All courses in the Transfer Pathway associate degree will directly transfer and apply to the designated bachelor's degree programs in a related field.

Universities within the Minnesota State system include Bemidji State University; Metropolitan State University; Minnesota State University, Mankato; Minnesota State University Moorhead; Southwest Minnesota State University; St. Cloud State University; and Winona State University.

Core Courses – 28 Credits

CSCI 1101	Introduction to Computing and Problem Solving	4 cr
CSCI 1111	Introduction to Programming in C	4 cr
CSCI 2001	Computer Programming Concepts	4 cr
CSCI 2002	Algorithms and Data Structures	4 cr
CSCI 2021	Machine Architecture and Organization	4 cr

Complete one of the following two courses:

CSCI 2011/MATH 2011	Discrete Structures of Computer Science	4 cr
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Complete one of the following three courses:

CSCI 1202	Introduction to Object-Oriented Programming in C++	4 cr
CSCI 1203	Introduction to Computer Programming in Java	4 cr
CSCI 2033/MATH 2033	Elementary Computational Linear Algebra	4 cr

Additional Required Courses – 32 Credits

ENG 1101	College Writing	4 cr
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MATH 1510	Calculus 1	5 cr
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Complete one of the following three courses:

COMM 1100	Introduction to Communication	3 cr
COMM 1101	Fundamentals of Public Speaking	3 cr
COMM 1111	Interpersonal Communication	3 cr

Complete a minimum of 20 additional credits from at least 4 of the MnTC Goal Areas:

3, 5, 6, 7, 8, 9, or 10 in order to have completed courses from at least 6 of the 10 goal areas. *(Check with your transfer institution for specific requirements)*

Other Degree Requirements

If needed, complete additional courses to reach 60 college-level credits total.

- Earn a minimum cumulative grade point average (GPA) of 2.0 for college-level coursework (courses numbered 1000 and above) completed at Normandale.
- Earn a minimum of 15 college-level credits at Normandale.

Coursework in this degree program satisfies a portion of the Minnesota Transfer Curriculum (MnTC). Please see MnTC Degree Audit Report.