

Inver Hills Community College
and Metropolitan State University
Transfer Agreement Regarding the Computer Science Major at Metro State

This agreement has been entered into by Inver Hills Community College and Metropolitan State University for the benefit of students and prospective students at the two institutions. The purpose of the agreement is to ensure programs of high academic quality, to encourage student achievement, and to facilitate the transfer of course credits and a smooth transition from one related program to the other.

Transfer Agreement

Students may apply a maximum of 28 semester credits from the following list of Inver Hills Community College semester courses toward major requirements for the Bachelor of Science in Computer Science offered by Metropolitan State University:

<u>Inver Hills Course</u>	<u>Metro State Requirement</u>
CS 1126 Java Programming (3 cr)	ICS 141 Programming with Object (4 cr)s
CS 1122 Algorithms and Data Structures (4 cr)	ICS 240 Programming with Elementary Data Structures (4 cr)
CS 1112 Pascal Programming and Problem Solving (3 cr) <i>or</i> CS 1114 Introduction to Programming in Visual Basic (3 cr) <i>or</i> CS 1119 Computer Programming with C++ (4 cr) <i>or</i> CS 1120 Introduction to Programming in C (3 cr) <i>or</i> CS 1103 Introduction to Programming with Basic (3 cr) <i>or</i> CS 1123 C++ Programming (2 cr)	Second programming language requirement
CS 1118 Discrete Structures of Computer Science (3 cr)	Math 215 Discrete Mathematics (4 cr)
MATH 1133 Calculus I (5 cr)	Math 210 Calculus I (4 cr)
MATH 1134 Calculus II (5 cr) <i>or</i> MATH 2219 Multivariable Calculus (5 cr) <i>or</i> MATH 2229 Introduction to Linear Algebra (5 cr) <i>or</i> MATH 2222 Introduction to Differential Equations (3 cr)	Math elective (4 cr); in addition, 4 credits from this group will also count toward general program electives

Students who complete the maximum number of Inver Hills courses counting toward the degree will need to complete 32 additional credits to fulfill all major requirements for the B.S. in computer science.

