

TRANSFER PATHWAY MAP FOR DARS ENCODING

	College (sending)	University (receiving)
Institution	North Hennepin Community College	St. Cloud State University
Program name	Computer Science Transfer Pathway	Computer Science
Award Type	AS	BS
Credit Length	60	120

College Transfer Pathway Associate Degree to University - Course Relationships

Courses listed on the college side indicate a course relationship to the university course on the same line.

College			University		
Course Prefix, Number and Title	MnTC Goal(s)	Credits	Course Prefix, Number and Title	College MnTC Goal(s)	Credits Applied
Choose one: **ENGL 1200 Gateway College Writing OR **ENGL 1201 College Writing I **ENGL 1202 College Writing II	1 1 1	4 2	ENGL 100 Intro to Expository Writing (3) ENGL 100 Intro to Expository Writing (3) ENGL 191 Intro to Rhetorical & Analytical Writ	1 1 1	4 2
Choose one: COMM 1010 Fundamentals of Public Speaking OR COMM 1210 Small Group Communication	1 1, 7	3	CMST 192 Intro to Communication Studies Goals 1, 7 or university evaluates	1 1, 7	3
Choose one: BIOL 1120 Human Biology OR GEOG 1010 Physical Geography MATH 1221 Calculus I	3 3, 10 4	3 5	BIOL 103 Human Biology GEOG 272 Physical Geography MATH 221 Calculus I (4)	3 3, 10 4	3 5
Choose one: ECON 1060 Principles of Economics: Macro OR ECON 1070 Principles of Economics: Micro OR PSYC 1150 General Psychology	5, 8 5 5	3	ECON 205 Principles of Macroeconomics ECON 206 Principles of Microeconomics PSY 115	5, 8 5 5	3
Goal 6	6	3	Goal 6 (and other goal areas met by course)	6	3
CSCI 2010 Discrete Mathematical Structures	2, 4	4	MATH 271 Discrete Mathematics (3)	2, 4	4
*MnTC Elective Recommend Goals 3, 5, 6, 9, and 7, 8, or 10 if not taken above	3, 5, 6, 9, 7, 8, or 10	3	MnTC goal areas per NHCC	3, 5, 6, 9, 7, 8, or 10	3
CSCI 1040 Fund of Structured Query Language		3	Elective or university evaluates		3
CSCI 1120 Programming in C/C++		4	CSCI 200 Elements of Computing		3
CSCI 1130 Intro to Programming in Java			CSCI 262 Programming in Java		
CSCI 2001 Object-Oriented Programming		4	CSCI 201 Computer Science I		4
CSCI 2002 Algorithms & Data Structures		4	CSCI 301 Computer Science II		4
CSCI 2020 Computer Architecture		4	CSCI 220 Computer Architecture I		4
CSCI 2030 Database Modeling & Design		4	CNA 303 Database App & Programming (3)		4

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Note: Course relationships/curriculum is subject to change.

Computer Science Electives Choose 7 credits:	7		7
CSCI 1020 Beginning Web Page Programming OR	(1)	Elective or university evaluates	(1)
CSCI 1025 Responsive Web Design OR	(1)	Elective or university evaluates	(1)
CSCI 1030 Programming for Internet OR	(3)	CSCI 200 Elements of Computing	(3)
CSCI 1035 Intro to Comp Program with Games OR	(4)	CSCI 200 Elements of Computing	(3)
CSCI 1050 Computer Security Basics OR	(3)	Elective or university evaluates	(3)
CSCI 1120 Programming in C/C++ OR	(4)	CSCI 200	(2)
CSCI 1150 Object-Oriented Program in C#.NET OR	(4)	CSCI 262 Programming in Java(3)	(2)
CSCI 1180 Intro to Linux Operating System OR	(4)	Elective or university evaluates	(4)
CSCI 1990 Computer Science Special Topics OR	(1-4)	Elective or university evaluates	(1-4)
CSCI 2011 Programming in Python OR	(1)	Elective or university evaluates	(1)
CSCI 2050 Internship Computer Science OR	(3)	Elective or university evaluates	(3)
CSCI 2100 Intro to Android App Development OR	(4)	SE 276 Introduction to Mobile Applications	(3)
CSCI 2060 Web Programming in ASP.NET OR	(4)	Elective or university evaluates	(4)
CSCI 2400 Objective-C for Mobile Program OR	(4)	Elective or university evaluates	(4)
CSCI 2500 Intro to Mobile Program in iOS	(4)	SE 276 Introduction to Mobile Applications	(3)
Total Credits	60	STotal Credits	60
Notes, if any: *Students should work with advisors to ensure they choose courses that will complete the entire 40 minimum credit MnTC by the time the baccalaureate degree is completed (unless it is completed at the college).			
**Sequential courses should be taken at the same college to meet all learning outcomes.			

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