

## TRANSFER PATHWAY MAP FOR DARS ENCODING

	College (sending)	University (receiving)
Institution	Normandale 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
ENGC 1101 Freshman Composition	1	4	ENGL 191 Intro to Rhetorical & Analytical Writing	1	4
Choose one: COMM 1100 Intro to Human Comm OR COMM 1101 Fundamentals of Public Spkg OR COMM 1111 Interpersonal Communication	1	3	CMST 192 Intro to Communication Studies CMST 211 Public Speaking CMST 220 Interpersonal Communication	1	3
MATH 1510 Calculus 1	4	5	MATH 221 Calculus I (4)	4	5
Courses from at least four goal areas: Goal Areas 3, 5, 6, 7, 8, 9, or 10	3, 5, 6, 7, 8, 9, 10	20	Goal areas 3, 5, 6, 7, 8, 9, 10 (and other goal areas met by courses)	3, 5, 6, 7, 8, 9, 10	20
CSCI 1101 Intro to Computers & Problem Solv	4	4	CSCI 200 Elements of Computing	4	3
Choose one: CSCI 2011 Discrete Structures of Comp Science MATH 2011 Discrete Structures of Comp Science	4	4	Math 271 Discrete Mathematics Math 271 Discrete Mathematics	4	3
CSCI 1111 Intro to Programming in C		4	CSCI 260 Programming in C or CSCI 200		2
CSCI 2001 Computer Programming Concepts		4	CSCI 201 Computer Science I		4
CSCI 2002 Algorithms and Data Structures		4	CSCI 301 Computer Science II		4
CSCI 2021 Machine Architecture & Organization		4	CSCI 220 Computer Architecture I		4
Choose one: CSCI 1202 Intro to Object-Orient Prog in C++ OR CSCI 1203 Intro to Computer Prog in Java OR CSCI 2033 Elem Computational Linear Algebra OR MATH 2033 Elem Computational Linear Algebra		4	CSCI 261 Programming in C++ CSCI 262 Programming in Java Elective or <b>university evaluates</b> Elective or <b>university evaluates</b>		2
<b>Total Credits</b>		<b>60</b>	<b>Total Credits</b>		<b>60</b>

**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.

Revised 5/29/18

Note: Course relationships/curriculum is subject to change.