TRANSFER PATHWAY MAP FOR DARS ENCODING

	College (sending)	University (receiving)
Institution	Anoka Ramsey 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 1120 Cross Curr Coll Writ & Crit Read OR ENGL 1121 College Writing & Critical Reading	1, 2	4	ENGL 191 Intro to Rhetorical & Analytical Writing ENGL 191 Intro to Rhetorical & Analytical Writing	1, 2	4
Choose one: CMST 1110 Introduction to Communication OR CMST 2220 Interpersonal Communication OR CMST 2215 Public Speaking	1, 2 1, 7 1, 2	3	CMST 192 Intro to Communication Studies CMST 220 Interpersonal Communication CMST 211 Public Speaking	1, 2 1, 7 1, 2	3
Goal 2 (met by ENGL 1120 or 1121)	2	-	Goal 2 met by program	2	-
Goal 3	3	3-4	Goal 3 (and other goal areas met by course)	3	3-4
MATH 1400 Calculus I	4	5	MATH 221 Calculus I (4)	4	5
Goal 5	5	3	Goal 5 (and other goal areas met by course)	5	3
Goal 6	6	3	Goal 6 (and other goal areas met by course)	6	3
MnTC Electives (may take more depending on # of Computer Electives taken)	3, 5, 6, 7-10	8-9	MnTC Electives (per ARCC)	3, 5, 6, 7-10	8-9
Choose one: MATH 2100 Discrete Mathematics OR CSCI 2100 Discrete Mathematics	NA	4	MATH 271 Discrete Mathematics (3) Elective or university evaluates	NA	4
CSCI 1101 Intro to Comp Sci & Prob Solving	NA	3	CSCI 200 Elements of Computing	NA	3
**CSCI 1106 Fund of Computer Science I	NA	4	CSCI 201 Computer Science 1	NA	4
**CSCI 1107 Fund of Computer Science II	NA	4	CSCI 301 Computer Science 2	NA	4
CSCI 2021 Machine Architecture	NA	4	CSCI 220	NA	4
Computer/MnTC Electives: CNET 2101 Intro to Networks (CCNAI) OR CSCI 1115 Visual Basic Programming OR CSCI 1125 Object-Oriented Prog using Java (recommended for transfer) OR CSCI 1155 Intro to Functional Lang Prog OR CSCI 2253 Assembly language Programming OR ENGR 2218 Digital Logic OR MATH 1201 College Algebra II & Trig OR MATH 1210 Pre-Calculus OR MATH 1401 Calculus II	NA NA NA NA NA NA 4 4 4	11-12 (3) (3) (3) (1) (4) (4) (4) (5) (5)	CNA 201 Computer Networking Concepts CNA 267 Beginning Programming or CSCI 200 CSCI 262 Programming in Java (2) Elective or university evaluates CSCI 220 Computer Architecture I (4) ECE 220 MATH 113 Trigonometry (3) MATH 115 Precalculus MATH 222 Calculus II (4)	NA NA NA NA NA NA 4 4 4	11-12 (3) (3) (3) (1) (4) (4) (4) (5) (5)
Total Credits		60	**Total Credits**		60

Note: Course relationships/curriculum is subject to change.

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.