

MINNESOTA STATE COLLEGES AND  
UNIVERSITIES\*  
ARTICULATION AGREEMENT  
BETWEEN

ANOKA-RAMSEY COMMUNITY COLLEGE  
AND  
SAINT MARY'S UNIVERSITY OF MINNESOTA  
SCHOOLS OF GRADUATE AND PROFESSIONAL  
PROGRAMS

\*The Board of Trustees of the Minnesota State Colleges and Universities is authorized by Minnesota Statutes, Chapter 136F to enter into Agreements and has delegated this authority to colleges and universities.

This Agreement is entered into between ANOKA-RAMSEY COMMUNITY COLLEGE (ARCC) (hereinafter sending institution), and SAINT MARY'S UNIVERSITY OF MINNESOTA SCHOOLS OF GRADUATE AND PROFESSIONAL PROGRAMS (SMUMN) (hereinafter receiving institution). This Agreement and any amendments and supplements, shall be interpreted pursuant to the laws of the State of Minnesota.

The sending institution has established an **A.S. in Computer Networking & Telecommunications** (hereinafter sending program), and the receiving institution has established a **B.S. in Information Technology** (hereinafter receiving program), and will facilitate credit transfer and provide a smooth transition from one related program to another. It is mutually agreed:

**Admission and Graduation Requirements**

- A. The receiving institution's admission and program admission requirements apply to both direct entry students and to students who transfer under this agreement.
- B. Students must fulfill the graduation requirements at both institutions.
- C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply.

**Transfer of Credits**

- A. The receiving institution will accept 60 credits from the sending program. A total of 62 credits remain to complete the receiving program (36 of these remaining credits need to be completed at Saint Mary's University).
- B. Courses will transfer as described in the attached Program Articulation Table. For system institutions, once the courses are encoded, they will transfer as described in Transferology.
- C. No credit will transfer for courses in which a grade of C- or lower was earned.
- D. No credit will transfer for courses which are pre-freshman level or remedial.
- E. Credit will not be awarded twice for the same learning, including any prior learning or life experience credit awarded.
- F. A maximum of 2.0 semester credits will be awarded for physical education activity courses.

**Implementation and Review**

- A. The Chief Academic Officers or designees of the parties to this agreement will implement the terms of this agreement, including identifying and incorporating any changes into subsequent agreements, assuring compliance with system policy, procedure and guidelines, and conducting a periodic review of this agreement.
- B. This Articulation Agreement is effective on **12/01/2016** and shall remain in effect until the end date of **12/01/2021** or for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.
- C. The college and university shall work with students to resolve the transfer of courses should changes to either program occur while the agreement is in effect.
- D. This Articulation Agreement will be reviewed by both parties beginning **06/01/2021** (within six months of the end date).

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- E. When a student notifies the receiving institution of their intent to follow this agreement, the receiving institution will encode course waivers and substitutions.

<b>PROGRAM ARTICULATION TABLE</b>		
	<b>College (sending)</b>	<b>University (receiving)</b>
Institution	Anoka Ramsey Community College	Saint Mary's University of Minnesota
Program name	Computer Networking & Telecommunications	Information Technology
Award Type (e.g., AS)	A.S.	B.S.
Credit Length	60	122
CIP code (6-digit)	11.0901	11.0103
Describe program admission requirements (if any)		An official transcript issued to Saint Mary's University with a minimum of 30 semester credits including a basic English Composition course.

#### Instructions

- List all required courses in both academic programs.
- MnTC goal areas transfer to the receiving institution according to the goal areas designated by the sending institution.
- Do not indicate a goal area for general education courses that are not part of the MnTC.
- For restricted or unrestricted electives, list number of credits.
- Credits applied: the receiving institution course credit amount may be more or less than the sending institution credit amount. Enter the number of credits that the receiving institution will apply toward degree completion.
- Show equivalent university-college courses on the same row to ensure accurate DARS encoding.
- Equiv/Sub/Wav column: If a course is to be encoded as equivalent, enter Equiv. If a course is to be accepted by the university as a "substitution" only for the purposes of this agreement, enter Sub. If a course requirement is waived by the receiving institution, enter Wav. If a course is to be accepted by the university as a MnTC goal area, restricted elective or unrestricted elective, leave the cell blank.

(To add rows, place cursor outside of the end of a row and press enter.)

#### SECTION A - Minnesota Transfer Curriculum-General Education

College (sending)			University (receiving)			
course prefix, number and name	Goal(s) <sup>1</sup>	Credits	course prefix, number and name	Goal(s) <sup>1</sup>	Credits Applied	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
Goal 1: Communication: ENGL 1121: College Writing and Critical Reading	1,2	4	Written Communications		4	Sub
Goal 1: Communication CMST 1110: Intro to Communications OR CMST 2215: Public Speaking OR CMST 2220: Interpersonal Communication	1,2	3	Oral Communications		3	Sub
Goal 2: Critical Thinking	2	0-3	(Various competency areas depending on the course)		0-3	Sub
Goal 3 Natural Sciences	3	0-3	Science		0-3	Sub
Goal 4: Mathematics MATH 1200: College Algebra OR PHIL 1105: Intro to Logic & Critical Reasoning	2,4	3	Mathematics		3	Sub

<sup>1</sup> MnTC goal areas transfer to the receiving college/university according to the goal areas designated by the sending college/university

Goal 5: History and the Social and Behavioral Sciences: *ECON 2205 Principles of Macroeconomics	2,5	3	History, Social and Behavioral Sciences	3	Sub
Goal 6: Humanities and Fine Arts	6	0-3	Humanities and Fine Arts	0-3	Sub
Goal 7: Human Diversity	7	0-3	Global Human Perspectives	0-3	Sub
Goal 8: Global Perspective	8	0-3	Global Human Perspectives	0-3	Sub
Goal 9: Ethical/Civic Responsibility	9	0-3	Ethics & Civic Responsibility	0-3	Sub
Goal 10: People and the Environment	10	0-3	(Various competency areas depending on the course)	0-3	Sub
<b>At least one course in six of the ten goal areas must be completed. One course may satisfy more than one emphasis area, but course credits may be counted only once.</b>	1-10	11	(Various competency areas depending on the course)	11	Sub
<b>MnTC/General Education Total</b>		<b>30</b>			

**Special Notes, if any:** Some SMU general education competencies are fulfilled by SMU core program or elective courses.

### SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other

(pre-requisite courses, required core courses, required courses in an emphasis, or electives (restricted or general) within the major). Restricted electives (in Major) fulfill a specific requirement within a major. Example A: "Chose two of the following three courses;" Example B: A Biology degree may require 40 science credits (20 credits of required courses + 20 credits of listed related courses, such as botany, genetics, sociobiology, etc. which students can select).

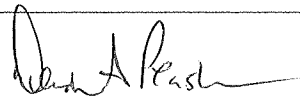

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses				
<b>Required Courses (21 credits):</b>	<b>21</b>	<b>Unrestricted electives</b>	<b>21</b>	
CNET 2101: Introduction to Networks	(3)			
CNET 2112: Desktop Operating Systems	(3)			
CNET 2113: Network Operating Systems	(3)			
CNET 2301: Routing and Switching Essentials	(3)	Students do not take IT457 since CNET2301, CNET2303, and CNET2304 are required.		Equiv
CNET 2303: Scaling Networks	(3)			
CNET 2304: Connecting Networks	(3)			
CNET 2490: Industry Certification	0			
BUS1103: Human Relations in the Workplace	(3)			
<b>Electives (select any 9 credits listed below):</b>	<b>9</b>	<b>Unrestricted electives</b>	<b>9</b>	
BUS1119: Database Management Using Microsoft Access	(3)			
CNET1101: PC Troubleshooting, Maintenance & Repair	(2)			
CNET1115: IT & Data Assurance	(3)	IT432 is substituted for another elective if two of the following three courses are completed: CNET1115, CNET2015, CNET2215		Equiv
CNET2105: Security Awareness & Policies	(1)			
CNET2215: Managing Network Security	(3)			
CNET1201: A+ Core Hardware & OS Technologies	(3)			
CNET2114: Fundamentals of Linux/UNIX	(3)			
CNET2125: System Virtualization	(3)			
CNET2205: Fundamentals of Wireless LANS	(3)			
CNET2320: Unified Communications/VOIP	(3)			
CNET2297: Field Experience & Seminar	(1-4)			
CSCI1101: Intro to Computer Science & Problem Solving	(3)			
**Restricted elective credits - list courses (if none enter 0)	0			
**Unrestricted elective credits (if none enter 0)	0			
<b>Major, Emphasis, Unrestricted Electives Total</b>	<b>30</b>	<b>Total College Credits Applied (sum of sections A and B)</b>	<b>60</b>	

### SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	<b>Required Communications Courses</b>	
	CM409- Technical Writing	3
	CM310- Oral Communications	3
	<b>Required Info Technology Courses</b>	
	IT301-Information Technology Perspectives	3
	IT303-Data and Database Management Systems	3
	IT304-Business Fundamentals for IT Managers	3
	IT305-Enterprise Architecture Fundamentals	3

	IT309-Information Ethics	3	
	IT312-Emerging Trends in Business Technology	3	
	IT432-Advanced Information Security Tools and Methods	3	
	IT440-Business Intelligence Fundamentals	3	
	IT490—Bachelor of Science Capstone	3	
	<b>Required Management Elective Courses</b>		
	Students select any two of the following courses: BU407-Financial Management, MG405-Organizational Culture and Change, MG408-Project Management, MG410-Applied Leadership and Management, MG412-Critical Thinking for Organizational Leaders		6
	<b>Required IT Elective Courses</b>		
	Students select one of the following courses: IT415-Leveraging Mobile Technologies, IT438-Advanced Computer Forensics, IT441-Applied Business Analytics, IT458-Advanced Cloud Computing		3
	<b>Required IT or Management Elective</b>		
Students select one IT or management elective (see academic advisor for more details)		3	
**Students will meet with a Saint Mary's advisor to determine additional elective courses from SMU, ARCC, or other institutions, that might be needed for the program.		17	
		<b>62</b>	
<b>Special Notes, if any:</b>			

<b>SECTION D - Summary of Total Program Credits</b>			
<b>College (sending) Credits</b>		<b>University (receiving) Requirements</b>	
<b>MnTC/General Education</b>	30		
<b>Major, Emphasis, Unrestricted Electives or Other</b>	30		
<b>Total College Credits</b>	<b>60</b>	<b>Total College Credits Applied</b>	<b>60</b>
		<b>Remaining credit to be taken at the university (receiving institution)</b>	<b>62</b>
		<b>Total Program Credits</b>	<b>122</b>
<p><b>Special Notes:</b> * Saint Mary's University (SMU) requires that students complete a minimum of 45 semester credits at SMU (SMU's minimum residency requirement), and 122 credits total, to earn the Bachelor of Science in Information Technology degree. <b>The remaining 77 credits can be completed at Anoka-Ramsey Community College.</b> Credit for prior learning, military training, and standardized exams such as CLEP and DSST can also count toward fulfilling the 77 non-SMU credit requirement. Courses completed at colleges and universities other than Anoka-Ramsey Community College are also considered for credit transfer into SMU.</p>			

<b>College</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Chief Academic Officer			
Vice President of Academic Affairs	Deidra Peaslee, Ph.D.		10/5/16
Title			
<b>University</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Chief Academic Officer			
Vice President of the Schools of Graduate and Professional Programs	Robert Smith, FSC, Ph.D.		10-5-16

September 1, 2016

Title			
DARS Encoder			
Date when equivalencies were encoded in DARS by the receiving MnSCU institution.			