MINNESOTA STATE COLLEGES AND UNIVERSITIES* TRANSFER AGREEMENT BETWEEN	MINNEAPOLIS COMMUNITY AND TECHNICAL COLLEGE AND Metropolitan State University

*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 Minneapolis Community and Technical College (Hereinafter sending institution), and (hereinafter receiving institution) Metropolitan State University. This Agreement and any amendments and supplements shall be interpreted pursuant to the laws of the State of Minnesota.

The sending institution has established a A.A.S. Cyber Security and Defense (hereinafter sending program), and the receiving institution has established a B.S. Cybersecurity (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, including grade requirements for courses and an overall GPA requirement.

Transfer of Credits

A. The receiving institution will accept 60 credits from the sending program. A total of ~~60~~ 73 credits remain to complete the receiving program.
B. Courses will transfer as described in the attached Program Transfer Table. For system institutions, once the courses are encoded, they will transfer as described in the *"Transferology"* audit.

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 Transfer Agreement is effective on 12/31/2021 and shall remain in effect until 12/30/2026 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 Transfer Agreement will be reviewed by both parties beginning 6/1/2026 (within six months of the end date).
E. When a student notifies the receiving institution of their intent to follow this agreement, the receiving institution will encode course waivers and substitutions.

PROGRAM TRANSFER TABLE

Check if the sending program ☒ or receiving program ☐ is new.

	College (sending)	University (receiving)
Institution	Minneapolis Community and Technical College	Metropolitan State University
Program name	Cyber Security and Defense	Cybersecurity
Award Type (e.g., AS)	A.A.S.	B.S.
Credit Length	60	120
CIP code (6-digit)	11.1003	11.1003
Describe program admission requirements (if any)	None	Students expressing interest in the Cybersecurity BS when applying for admission to the university will be assigned an academic advisor in the College of Sciences and will be given pre-major status. Official admission to this major program and review of prior course credentials is done directly through the Computer Science and Cybersecurity (CSC) Department. To be eligible for acceptance to the cybersecurity major, students must submit a College of Sciences Undergraduate Program Declaration Form when the following is completed: Have a minimum cumulative GPA of 2.5 for ICS 141 and MATH 215 or equivalents. Complete the General Education Goal I Writing Requirement Complete all prerequisite courses with a grade of C- or better. Demonstrate competency in the Java (or C/C++) programming language either by coursework (e.g., ICS 141) or passing a Java competency exam.

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)[1]	Credits	course prefix, number and name	Goal(s)[1]	Credits Applied	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
ENGA 1110 or ENGL 1110: College Composition	1	3	WRIT 131: Writing I	1	3	Equiv
ENGL 1111: Research and Composition for Change	1	3	WRIT 231: Writing II	1	3	Equiv
Information Research Methods Course: Recommended: INFS 2009: Research Methods with Ethical and Civic Responsibility Focus	2,9	3	Goal 9 GELS	9	3	Sub
General Education: Choose courses from any of the MnTC Goal Areas to equal six credits: MATH 1110 or MATH 1119 is recommended.	4	6	If MATH 1110 taken, MATH 115 College Algebra is equivalent.	4	4	Equiv
MnTC/General Education Total		15				

Special Notes, if any:

15 Credits of MnTC Coursework.

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					
ITEC 1005: Preparing for IT	1	Program Elective	1		
ITEC 1100: Information Technology Concepts	2	MIS 100: Fundamentals of IT in Organizations Part A	2	Equiv	
ITEC 1110: Information Technology Skills	2	MIS 100: Fundamentals of IT in Organizations Part B	2	Equiv	
ITEC 1150: Programming Logic and Design	3	Program Elective	3		
ITEC 1250: Microsoft Windows Operating Systems	3	Program Elective	3		
ITEC 1425: Data Communications	4	Program Elective	4		
ITEC 2710: Microsoft Network Administration	4	In combination with ITEC 1250, CFS 262: Computer and Operating Systems Fundamentals I	4	Sub	
ITEC 1475: Linux System Administration	4	CFS 264: Computer and Operating Systems Fundamentals II	4	Sub	
ITEC 2865: Internet/Intranet Security	4	Program Elective	4		

[1] MnTC goal areas transfer to the receiving MnSCU college/university according to the goal areas designated by the sending college/university

ITEC 2895: Security Implementation and Risk Analysis	4	CYBR 332 in combination with ITEC 2865.	4	Equiv
ITEC 2990: Ethical Hacking and Network Defense	4	Restricted Elective	4	Sub
ITEC 2890: Firewall Implementation and Management	4	Technical Elective	4	
ITEC 2950: Information Technology Career Preparation	2	ICS 251: IT Work Skills	2	Equiv
ITEC 2995: Cyber Security Capstone	4	Technical Elective	4	
Restricted elective credits - list courses (if none enter 0)	0	Restricted electives	0	
Unrestricted elective credits (if none enter 0)	0	College's unrestricted elective credits accepted in transfer (if none enter 0)	0	text.
Major, Emphasis, Unrestric4ted Electives Total	45	**Total College Credits Applied (sum of sections A and B)**	45	

SECTION C - Remaining University (receiving) Requirements		
	course prefix, number and name	Credits
	MATH 215: Discrete Mathematics	4
	ICS 140: Computational Thinking with Programming	4
	ICS 265: C Programming	4
	STAT 201: Statistics 1	4
	ICS 232: Computer Organization and Architecture	4
	CFS 280: Introduction to Computer Forensics	4
	ICS 311: Database Management Systems	4
	CYBR 362: Networking Protocols and Analysis	4
	CYBR 412: Vulnerability Assessment and Penetration Testing	4
	CYBR 432: Cryptography for Cybersecurity Practitioners	4
	CYBR 442: Cyber Operations	4
	Capstone Project or Cyber Residency (4 credit minimum)	
	CYBR 3501: Cybersecurity Individualized Internship (1-6 cr) **Or** CYBR 498 Cybersecurity Capstone I Concepts, Research and Planning (1 cr) **Or** CYBR 499: Cybersecurity Capstone II- Design, Development, and Implementation (3 cr)	4
	Remaining university GELS credits + RIGR (16+ credits upper division)	25
	Total Remaining University Credits[2]	73
Special Notes, if any:		

SECTION D - Summary of Total Program Credits			
College (sending) Credits		**University (receiving) Requirements**	
MnTC/General Education	15		
Major, Emphasis, Unrestricted Electives or Other	45		
Total College Credits	60	**Total College Credits Applied**	60
		Remaining credit to be taken at the university (Receiving institution)	73
		Total Program Credits	
Special Notes, if any: Click or tap here to enter text.			

[2] At least 40 of the required credits for the baccalaureate degree shall be at the upper-division level. If a lower division course is shown as equivalent to an upper division course, check with the university to determine if it will count toward the 40 required credits of upper division.

College	Name	Signature	Date
Vice President of Academic Affairs	Gail O'Kane	Gail O'Kane	9/7/2023
Dean	Ben Weng	Ben Weng	8/30/2023
Faculty	Brian Huilman	Br. D. Huilman	28 Aug 2023
University	**Name**	**Signature**	**Date**
Chief Academic Officer	Amy Gort	Digitally signed by Amy Gort Amy Gort Date: 2022.01.20 11:04:50 -06'00'	Click or tap to enter a date.
Dean, College of Sciences	Kyle Swanson		1/19/2022
Faculty	Faisal Kaleem	Faisal Kaleem	12/15/2021
Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.			