

PROGRAM TO PROGRAM ARTICULATION AGREEMENT

Between the
DAKOTA STATE UNIVERSITY
and
Metropolitan Community College

Agreement with Respect to Applying to the

**Bachelor of Science in
Network and Security Administration**

I. Parties

The parties to this articulation agreement are Metropolitan Community College (MCC) and Dakota State University (DSU).

II. Purpose

The purpose of this agreement is to:

- A. Have a signed articulation agreement that addresses the varying needs of students and complementary nature of the institutions' programs;
- B. Provide increased educational opportunities for students at MCC who have completed Associate of Applied Science in Information Technology, Cyber Security
- C. Extend and clarify educational opportunities for students;
- D. Provide MCC students who have completed, or who are currently enrolled in, the AAS in Information Technology, Cyber Security an opportunity to earn a Bachelor of Science Degree in Network and Security Administration at Dakota State University.

III. Academic Program

- A. Upon successful completion of AAS in Information Technology – Cyber Security, Dakota State University will accept 71 semester credits from MCC students prior to transferring to Dakota State University. Students must meet all Board of Regents policies and DSU admission and graduation requirements to receive a degree.
- B. Requirements to be completed at Dakota State University to earn a Bachelor of Science degree with a major in Network and Security Administration are outlined in Appendix A.

Additional requirements:

1. Students must take the Exit Exam prior to graduation, as required of all students graduating with the BS.
2. DSU will waive the admissions requirement that a student is to provide their high school transcript or GED with scores based on military admissions requirements.
3. DSU allows degree-seeking students who are currently enrolled to earn academic credit for non-traditional learning experience when those experiences are equivalent to coursework provided at DSU. DSU awards credit for external certifications through non-traditional learning. Appendix A contains a non-exhaustive list. Others will be mapped on a case-by-case basis.
4. Credits earned through nationally normed exams (AP, CLEP, DSST, etc.) are accepted. The permanent record will show the equivalent course name and a grade of EX for the specified number of credits.
5. DSU allows transfer of formal classwork from accredited institutions in partial or complete fulfillment of the General Education requirements. DSU requires official transcripts from any accredited college or university, or military service-affiliated college office paperwork, for coursework to be transcribed.
6. The DSU Admission Policy can be found here:
<https://catalog.dsu.edu/content.php?catoid=29&navoid=1378>
7. Transfer students from MCC will have access to financial aid, scholarship, and student services on the same basis as native DSU students.

IV. Obligations

Both parties agree to confer with each other on a yearly basis regarding changes in curricula involved in this articulation agreement.

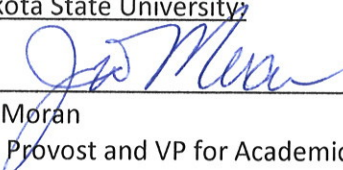
V. Modification

This agreement may be modified from time to time by the South Dakota Board of Regents and MCC. Modifications may not diminish the entitlements enjoyed by students who have already attended classes delivered under the terms of earlier versions of the agreement, except in rare instances in which retroactive implementation of modifications may be required to comply with accreditation standards or to conform to professional licensure requirements.

VI. Effective Date of Agreement: Start date of the Spring 2020 Terms at MCC and DSU.

VII. Acceptance of Agreement:

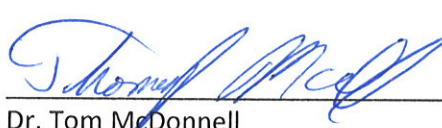
For Dakota State University:



Dr. Jim Moran
Interim Provost and VP for Academic Affairs

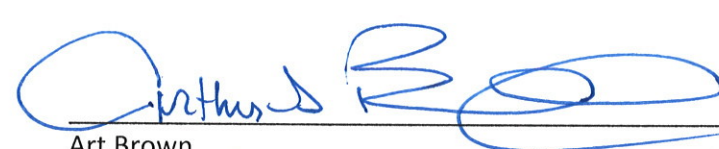
Date: 12/19/19

For Metropolitan Community College:



Dr. Tom McDonnell
Vice President for Academic Affairs

Date: 1-6-2020



Art Brown
Dean, Information Technology

Date: 1-6-20

Appendix A

AA IT Cyber Security Transfer credits

Metropolitan Community College - Associate of Applied Science Information Technology - Cyber Security Crosswalk to Dakota State University Bachelor of Network and Security Administration					
Metropolitan Community College - Associate of Applied Science in Information Technology - Cyber Security					
*MCC credits are based on quarter hours 3 semester hours = 4.5 quarter hours					
DSU Course Number	Dakota State Course Title	Credits	MCC Course Number	MCC Course Title	Credits
CIS 275	Web App Programming I	3			
CIS 375	Web App Programming II	3			
CIS 484	Database Mgmt. Systems	3	INFO 1620	Introduction to Database Design	4.5
CSC 105	Introduction to Computers	3	INFO 1002 & INFO 1110	Introduction to Information & Windows Operating Systems I	9
CSC 150	Computer Science 1	3	INFO 1003	Problem Solving and Programming Logic	4.5
CSC 134/CSC 145	Intro to Cyber Operations/ Information Security Fundamentals	3	INFO 2806	Network Attacks, Intrusions, and Penetration Testing	4.5
CSC 163	Hardware, Virtualization & Data Comm	3			
CSC 234	Web Software Security	3			
CSC 250	Computer Science 2	3			
CSC 285	Networking I	3	INFO 1023 & INFO 2023	Networking Essentials & Network & Certification Preparation Network+ Cert. Prep	9
CSC 321	Information Security Management	3	INFO 2805	Network and Information Security Basics	4.5
CSC 328	Operating Environments	3	INFO 1120 & INFO 1111	Windows Operating Systems II & Linux Operating Systems I	4.5
CSC 385	Networking II	3			
CSC 387	Routing and Switching	5			
CSC 388	Computer Forensics	3	INFO 2809	Information Systems, Forensics, and Legal Topics	4.5
CSC 407	Advanced Routing and Switching	3			
CSC 430	Windows Administration	3			
CSC 431	Linux/Unix Admin	3			
CSC 436	Offensive Network Security	3			
CSC 437	Survey of Network Administration	3			
CSC 438	Defensive Network Security	3			
CSC 443	Scripting for Network Administration	3			

CSC 494/498	Internship or UG Research	3			
Elective	Elective	3	INFO 2123	Introduction to SCADA Security	4.5
Elective	Elective	3	INFO 1933	Security and Monitoring IoT Networks	4.5
Elective	Elective	3	INFO 2362	Building Secure Environments	4.5
Elective	Elective	3	INFO 2808	Boundary Protection	4.5
Elective	Elective	1	INFO 2810 or INFO 2981	Security Capstone/Internship	4.5
Elective	Elective	3			
MATH 114	College Algebra	3	MATH 1315	College Algebra*	
MATH 281	Introduction to Statistics	3			
				General Education Credits	
ENGL 101	Composition I	3	ENGL 1010	English Composition I*	4.5
ENGL 201	Composition II	3	ENGL 1020	English Composition II*	4.5
SPCM 101	Fundamentals of Speech	3			
	Social Science	3		Humanities/Social Sciences	4.5
	Social Science	3			
	Natural Science	3			
	Natural Science	3			
	Arts and Humanities	3			
	Arts and Humanities	3		College and Career Strategies	4.5
		120			71

DSU Courses after AAS Transfer

DSU Course Number	Course Title	Credits
CIS 275	Web App Programming I	3
CIS 375	Web App Programming II	3
CSC 163	Hardware, Visualization & Data Comm	3
CSC 234	Software Security	3
CSC 250	Computer Science II	3
CSC 385	Networking II	3
CSC 387	Routing and Switching	5

CSC 430	Windows Administration	3
CSC 407	Advanced Routing and Switching	3
CSC 430	Windows Administration	3
CSC 431	Linux/Unix Admin	3
CSC 436	Offensive Network Security	3
CSC 437	Survey of Network Administration	3
CSC 438	Defensive Network Security	3
CSC 443	Scripting for Network Administration	3
CSC 494/498	Internship or UG Research	3
MATH 281	Introduction to Statistics	3
	Social Science	3
	Natural Science	3
	Natural Science	3
	Arts and Humanities	3
	Arts and Humanities	3
MCC AAS Degree Transfer Credits:		71
DSU Credits after AAS Degree:		68
Total Credits:		139

Credits at the 4.5 quarter hours equates to 3 credits at the semester hours
Students will have more credits than needed to graduate.