MINNESOTA STATE COLLEGES AND UNIVERSITIES* ARTICULATION AGREEMENT BETWEEN	LAKE AREA TECHNICAL INSTITUTE AND MINNESOTA STATE UNIVERSITY MOORHEAD

*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 **LAKE AREA TECHNICAL COLLEGE** (hereinafter sending institution), and **MINNESOTA STATE UNIVERSITY MOORHEAD** (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 a **COMPUTER INFORMATION SYSTEMS: PROGRAMMING SPECIALIST AAS** (hereinafter sending program), and the receiving institution has established a **PROJECT MANAGEMENT BS** (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 **56.5 credits** from the sending program. A total of **75 credits** remain to complete the receiving program.
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 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 Articulation Agreement is effective on **02/01/2021** and shall remain in effect until the end date of **02/01/2026** 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 Articulation Agreement will be reviewed by both parties beginning **08/01/2025** (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.

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PROGRAM ARTICULATION TABLE

	College (sending)	University (receiving)
Institution	Lake Area Technical College	Minnesota State University Moorhead
Program name	Computer Information Systems: Programming Specialist	Project Management
Award Type (e.g., AS)	AAS	BS
Credit Length	70	120
CIP code (6-digit)	11.0701	52.0211
Describe program admission requirements (if any)		

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	EquivSub Wav
Minnesota Transfer Curriculum-General Education						
Behavioral Science Course *Recommended PSYC 101 General Psychology		3	PSY 113 General Psychology	5	3	Equiv
Mathematics Course *Recommended MATH 114 College Algebra		3	MATH 127 College Algebra	4	3	Equiv
Communications Course *Recommended ENGL 101 Composition		3	ENGL 101 English Composition	1	3	Equiv
Communications Course *Recommended SPCM 101 Fund of Speech		3	COMM 100 Speech Communication	1	3	Equiv
Social Science Course *Recommended : ECON 201 Principles of Microeconomics I		3	ECON 202 Microeconomics	5	3	Equiv
MnTC/General Education Total		15				

Special Notes, if any: * This course is recommended because it fulfills a requirement of the Liberal Arts & Sciences Curriculum (LASC) or the Project Management major.

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

Specific general education courses from LATI, but not all gen ed courses, will transfer to MSUM. **Students should work with their advisor at LATI and also MSU Moorhead to choose the best general education courses to take.**

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).

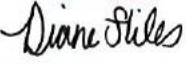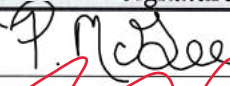| Major, Emphasis, Restricted, Unrestricted Electives or Other Courses				
CIS 140 Database Design & SQL	3			
CIS 141 Web Design & Maintenance	3			
CIS 170 Web 2.0	3			
CIS 180 Computer Programming I	3			
CIS 238 Advanced Object Oriented Programming	3			
CIS 220 Computer Programming II	3			
CIS 240 Mobile Application Development	3	Electives	41.5	
CIS 272 Client Server Programming	3			
CIS 273 Web Applications -ASP	3			
CIS 276 Web Applications - PHP	3			
CIS 243 Advanced Mobile Applications	3			
CIS 255 Application Security	3			
CIS 270 Intro to Database Programming	3			
CIS 290 System Analysis and Design	2.5			
CIS 115 IT Essentials (3), CIS 132 Intro to Computer Programming(3), CIS 136 Intro to Object-Oriented Programming (3), CIS 291 Certifications(.5), CIS 299 Internship (4)	13.5	Not Applicable	0	
Major, Emphasis, Unrestricted Electives Total	59	**Total College Credits Applied (sum of sections A and B)**	56.5	

Special Notes:

SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	MnTC/ Gen Ed remaining credits to complete LASC*	24
	MATH 234 Probability & Statistics (Goal 4)	3
	ACCT 230 Principles of Accounting I	3
	MGMT 260 Principles of Management	3
	MKTG 270 Principles of Marketing	3
	OM 380 Methods Improvement	3
	OM 395 Computer Applications for Technologists	3
	OM 470 Purchasing & Sourcing Management	3
	OM 483 Cost Analysis	3
	OM 482 Quality Planning & Implementation	3
	PMGT 300 Project Management & Scheduling	3
	PMGT 301 Customer Relationship Management **OR** PMGT 433 Dale Carnegie Skills for Success	3
	PMGT 385 Process Leadership	3
	PMGT 400 Advanced Project Management, Risk & Liability	3
	PMGT 401 CRM Consulting **OR** MGMT 371 Intro to Business Analytics B PMGT 472 Logistics Management & Network Design	3
	PMGT 456/ MGMT 456 Project Management in Business	3
	PMGT 492 Project Management Capstone	3
	OM 469 Internship **OR** BUS 480 Dragon Consulting	3
	** MATH 127 College Algebra (Goal 4)	(3)
	** ECON 202 Microeconomics (Goal 5)	(3)

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		Total Remaining University Credits[2]	75

Special Notes, if any: * Goal areas must be met and 42 total MnTC/ LASC credits earned. ** Required if equivalent course is not taken at LATC. (See above.)

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	15		
Major, Emphasis, Unrestricted Electives or Other	55		
Total College Credits	70	**Total College Credits Applied**	56.5
		Remaining credit to be taken at the university (receiving institution)	75
		Total Program Credits	131.5

Special Notes, if any:

[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
Chief Academic Officer	Dr. Michael Buts		3/23/21
Vice President / Title	Diane Stiles	Diane Stiles	3/23/21

University	Name	Signature	Date
Department Chairperson	Pam McGee	P. McGee	3.25.2021
Academic Dean	Josh Behl		3/26/21
Chief Academic Officer	Arrick Jackson		03/26/21
DARS Encoder	Jolene Richardson	Jolene Richardson	3/26/2021

Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.

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