MINNESOTA STATE COLLEGES AND UNIVERSITIES* ARTICULATION AGREEMENT BETWEEN	NORTHLAND COMMUNITY AND TECHNICAL COLLEGE 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 NORTHLAND COMMUNITY AND 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 the following programs (hereinafter sending program):

Architectural Technology and Design Diploma, 15.1303

Auto Body Collision Technology Diploma, 47.0603

Automotive Service Technology Diploma, 47. 060400/ 47.0604

Aviation Maintenance Technology Diploma, 47.0607

Carpentry – Residential Diploma, 46.0201

Construction Electricity Diploma, 46.0302

Construction Plumbing Diploma, 46.0503

Heating Ventilation & Air Conditioning Diploma, 47.0201

Small Unmanned Aircraft Systems Field Service Tech Diploma

Welding Process Technology Diploma, 48.0508

Welding Technology Diploma, 48.0508

and the receiving institution has established an **Operations 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, including grade requirements for courses and an overall GPA requirement.

Transfer of Credits

A. The receiving institution will accept 31 - 48 credits from the sending program. A total of 78 - 89 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 8/15/2020 and shall remain in effect until the end date of 8/15/2025 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 2/15/2025 (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.

PROGRAM ARTICULATION TABLE		
	College (sending)	**University (receiving)**
Institution	Northland Community and Technical College	Minnesota State University Moorhead
Program name	Architectural Technology and Design Diploma, 65 credits, 15.1303 Auto Body Collision Technology Diploma, 64 credits, 47.0603 Automotive Service Technology Diploma, 64 credits, 47.0604/ 47.0604 Aviation Maintenance Technology Diploma, 88 credits, 47.0607 Carpentry – Residential Diploma, 34 credits, 46.0201 Construction Electricity Diploma, 74 credits, 46.0302 Construction Plumbing Diploma, 34 credits, 46.0503 Heating Ventilation & Air Conditioning Diploma, 37 credits, 47.0201 Small Unmanned Aircraft Systems Field Service Tech 34 credits Welding Process Technology Diploma, 34 credits, 48.0508 Welding Technology Diploma, 36 credits, 48.0508	Operations Management
Award Type (e.g., AS)	AAS	BS
Credit Length	(See above)	120
CIP code (6-digit)	(See above)	52.020500

Describe program admission requirements (if any)		Diploma with 30+ prescribed technical credits, as prescribed by program's accrediting board, The Association of Technology, Management, and Applied Engineering (ATMAE)

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						
General Education Requirements Architectural Technology and Design Diploma, 0 credits Auto Body Collision Technology Diploma, 0 credits Automotive Service Technology Diploma, 0 credits Aviation Maintenance Technology Diploma, 0 credits Carpentry – Residential Diploma, 0 - 3 credits Construction Electricity Diploma, 0 credits Construction Plumbing Diploma, 0 - 3 credits Heating Ventilation & Air Conditioning Diploma, 0 – 3 credits Small Unmanned Aircraft Systems Field Service Tech 3 cr Welding Process Technology Diploma, 0 credits Welding Technology Diploma, 0 credits			MnTC General Education Courses	1 - 10	0 - 3	
MnTC/General Education Total		0 - 3				

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

Special Notes: MSUM will accept other MnTC credits and will transfer the same number of credits and goal areas as NCTC awards. Students should work with their advisor at NCTC and MSUM to choose the best general education courses to take at NCTC. Below are some examples of equivalent courses.

ENGL 1111 Composition I (3 cr) is equivalent to MSUM ENGL 101 English Composition I, Goal Area 1B, 2.
ECON 2201 Microeconomics (3 cr) is equivalent to MSUM ECON 202 Principles of Economics: Micro, Goal Area 5.
MATH 1110 College Algebra (3 cr) is equivalent to MSUM MATH 127 College Algebra, Goal Area 4.
MATH 2203 Statistics (4 cr) is equivalent to MSUM MATH 234 Probability & Statistics, Goal Area 4.
CHEM 1020 Intro to Chemistry (4 cr) is equivalent to MSUM CHEM 102 Environmental Science Goal Area 3.
PHYS 1111 General Physics I (4 cr) is equivalent to MSUM PHYS 160 College Physics I & Lab Goal Area 3.
PHYS 1112 General Physics II (4 cr) is equivalent to MSUM PHYS 161 College Physics II & Lab Goal Area 3.

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				
Technical credits as prescribed in program Architectural Technology and Design Diploma, 65 credits Auto Body Collision Technology Diploma, 59 credits Automotive Service Technology Diploma, 59 credits Aviation Maintenance Technology Diploma, 84 credits Carpentry – Residential Diploma, 31 credits Construction Electricity Diploma, 67 credits Construction Plumbing Diploma, 31 credits Heating Ventilation & Air Conditioning Diploma, 34 credits Small Unmanned Aircraft Systems Field Service Tech 31 cr Welding Process Technology Diploma, 33 credits Welding Technology Diploma, 32 credits		Technical Credits as prescribed in the program Additional credits up to 18 will be applied as unrestricted elective credits*	30 Up to 18	
CRLT 2103 Job Seeking/ Keeping (1), HPER 1410 First Aid/ CPR (1), SSCI 1101 Human Relations (3), MATH 1001 Technical Mathematics		Not Applicable	0	
Major, Emphasis, Unrestricted Electives Total	31 - 88	**Total College Credits Applied (sum of sections A and B)**	31 - 48	

Special Notes: * No more than 48 technical credits will be applied as elective credit. If the program doesn't have that many technical credits, that lower number of credits will be applied.

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
Gen Ed/ LASC goal areas and credits*	30 - 33
MATH 127 College Algebra (Goal 4)	3
MATH 234 Intro to Probability & Statistics (Goal 4)	3
ECON 202 Principles of Economics I: Micro (Goal 5)	3
ACCT 230 Principles of Accounting I	3
MGMT 260 Principles of Management	3
OM 380 Methods Improvement	3
OM 393 Occupational Safety & Health	3
OM 470 Purchasing & Sourcing Management	3

	OM 482 Quality Management	3
	OM 395 Computer Apps for Technologists	3
	OM 483 Cost Analysis	3
	OM 485 Production & Inventory Management	3
	PMGT 300 Project Management & Scheduling	3
	PMGT 385 Process Leadership	3
	OM 469 Internship	3
	Elective credits (# needed to bring total to 120)	0 – 14**
	Total Remaining University Credits[2]	78 - 89

Special Notes: * MnTC/ LASC goal areas must be met and 42 credits earned. Equivalent courses can be taken at DCTC (see Section A Notes). **Number of elective credits required to bring the total of credits earned to 120 varies.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	0 - 3		
Major, Emphasis, Unrestricted Electives or Other	31 - 84		
Total College Credits	34 - 88	**Total College Credits Applied**	31 - 48
		Remaining credit to be taken at the university (receiving institution)	78
		Total Program Credits	120 - 126

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	Brian Huschle		9-18-20
Academic Dean	Jodi Stauss Stassen		9.18.20
Title			
University	Name	Signature	Date
Department Chairperson	Pam McGee		12/21/2020
Academic Dean	Josh Behl		2/17/2021
Chief Academic Officer	Arrick Jackson		3/15/21
DARS Encoder	Jolene Richardson	Jolene Richardson	3/22/21

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