

**MINNESOTA STATE COLLEGES AND  
UNIVERSITIES\*  
ARTICULATION AGREEMENT  
BETWEEN**

**Central Lakes 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 **Central Lakes 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

**Automotive Technology AAS, 60 credits**

**Computer Information Technology AAS, 60 credits**

**Computer Network Administration AAS, 60 credits**

**Diesel Equipment Technician AAS, 67 credits**

**Marine & Powersports Technology AAS, 69 credits**

**Robotics Automated Systems Technology AAS, 70 credits**

**Videography Production AAS, 60 credits**

**Welding & Fabrication AAS, 60 credits**

(hereinafter sending programs), 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.

**Transfer of Credits**

- A. The receiving institution will accept **57 - 63 credits** from the sending program. A total of **63 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 **01/15/2020** and shall remain in effect until the end date of **01/15/2025** 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.

December, 2019

- D. This Articulation Agreement will be reviewed by both parties beginning 07/15/2024 (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.

<b>PROGRAM ARTICULATION TABLE</b>		
	<b>College (sending)</b>	<b>University (receiving)</b>
Institution	Central Lakes College	Minnesota State University Moorhead
Program name/ Award Type (e.g., AS)/ CIP code (8-digit)	Automotive Technology AAS, 60 cr 47.0604 Computer Information Technology AAS, 60 cr 15.1202 Computer Network Administration AAS, 60 cr 11.1001 Diesel Equipment Technician AAS, 67 cr 47.0605 Marine & Powersports Technology AAS, 69 cr 47.0616 Robotics Automated Systems Technology AAS, 70 cr 15.0406 Videography Production AAS, 60 cr, 50.0602 Welding & Fabrication AAS 60 cr 48.0508	Operations Management, BS, 120 credits, 52.020500
Award Type (e.g., AS)	AAS	BS
Credit Length	60 - 70	120
CIP code (6-digit)	(See above.)	52.020500
Describe program admission requirements (if any)		AAS, AS, or Diploma with 30+ prescribed technical credits, as prescribed by program's accrediting board, The Association of Technology, Management, and Applied Engineering (ATMAE)
<b>Instructions</b>		
<ul style="list-style-type: none"> <li>• List all required courses in both academic programs.</li> <li>• MnTC goal areas transfer to the receiving institution according to the goal areas designated by the sending institution.</li> <li>• Do not indicate a goal area for general education courses that are not part of the MnTC.</li> <li>• For restricted or unrestricted electives, list number of credits.</li> <li>• 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.</li> <li>• Show equivalent university-college courses on the same row to ensure accurate DARS encoding.</li> <li>• 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.)</li> </ul>		
<b>SECTION A - Minnesota Transfer Curriculum-General Education</b>		
	College (sending)	MSUM University (receiving)

course prefix, number and name <small>(The following courses are requirements of the BS degree, but may not be required of the diploma or associate's programs. Students are encouraged to take these courses within their AS, AAS, or Diploma program.)</small>	Goal(s) <sup>1</sup>	Credits	course prefix, number and name	Goal(s) <sup>1</sup>	Credits Applied	Equiv Sub Wav
<b>Minnesota Transfer Curriculum-General Education</b>						
<b>General Education Requirement*</b> Students must select from at least three of the ten goal areas of the MnTC. Automotive Technology AAS, 15 cr Computer Information Technology AAS, 15 cr Computer Network Administration AAS, 15 cr Diesel Equipment Technician AAS, 15 cr Marine & Powersports Technology AAS, 15 cr Robotics Automated Systems Technology AAS, 15 cr Videography Production AAS, 15 cr, Welding & Fabrication AAS 15 cr	1-10	15	MnTC General Education courses	1-10	15	
<b>MnTC/General Education Total</b>		15				
<b>Special Notes, if any: *Students should work with their advisor at CLC and also MSU Moorhead to choose best general education courses to take at CLC.</b> MSUM will accept other MnTC credits and will transfer the same number of credits and goal areas Central Lakes College awards. <b>Below are sample equivalencies of courses at Central Lakes College. If additional goal areas are fulfilled at CLC, fewer MnTC credits will be required at MSUM.</b> CHEM 1414 – Fundamentals of Chemistry is equivalent to MSUM CHEM 110 and 110L Fundamentals of Chemistry (Goal 3) ECON 2402 – Principles of Economics: Microeconomics is equivalent to MSUM ECON 202 Principles of Econ I: Micro (Goal 5) ENGL 1410 – Composition I is equivalent to MSUM ENGL 101 English Composition I (Goal 1B) ENGL 1422 – Practical Writing is equivalent to MSUM ENGL 286 Writing for the Workplace (Goals 1B, 2) MATH 1470 - College Algebra is equivalent to MSUM MATH 127 College Algebra (Goal 4) MATH 1460 – Intro to Statistics is equivalent to MSUM MATH 234 Introduction to Probability and Statistics (Goal 4) PHYS 1401 – College Physics I is equivalent to MSUM PHYS 160 and 160L College Physics I (Goal 3)						
<b>SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other</b>						
(pre-requisite courses, required core courses, required courses in an emphasis, or electives (restricted or general) within the major). <b>Restricted electives (in Major)</b> 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).						
<b>Major, Emphasis, Restricted, Unrestricted Electives or Other Courses</b>						
Technical credits as prescribed in program Automotive Technology AAS, 44 cr Computer Information Technology AAS, 45 cr Computer Network Administration AAS, 45 cr Diesel Equipment Technician AAS, 46 cr Marine & Powersports Technology AAS, 54 cr Robotics Automated Sys Technology AAS, 55 cr			Technical Credits as prescribed in the program  Additional credits up to 18 will be applied as unrestricted elective credits		30  Up to 18	

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

Videography Production AAS, 45 cr, Welding & Fabrication AAS 42 cr				
MATH 1500, ENGL 1520, -ENGL 1521, ENGL 1522, CCST 1530	varies	Not applicable	0	
<b>Major, Emphasis, Unrestricted Electives Total</b>	42 - 55	<b>Total College Credits Applied (sum of sections A and B)</b>	57 - 63	
<b>Special Notes, if any:</b> 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. The difference will be made up at the university.				

<b>SECTION C - Remaining University (receiving) Requirements</b>		
	course prefix, number and name	Credits
	MnTC/ Gen Ed remaining credits to complete LASC*	18
	MATH 127 College Algebra** (Goal Area 4)	3
	MATH 234 Probability & Statistics ** (Goal Area 4)	3
	ECON 202 Principles of Economics ** (Goal Area 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 395 Computer Applications for Technologists	3
	OM 482 Planning and Implementation	3
	OM 483 Cost Analysis	3
	OM 470 Purchasing & Sourcing Management	3
	OM 485 Production Inventory Management	3
	PMGT 300 Project Management & Scheduling	3
	PMGT 385 Process Leadership	3
	OM 469 Internship**	3
	<b>Total Remaining University Credits</b>	<b>63</b>
<b>Special Notes, if any:</b> * Goal areas must be met and 42 total MnTC/ LASC credits earned. Recommended students take some upper division LASC courses to meet 40 upper division credit requirement. **OM 469 may also be used by student to earn extra upper division credit for the degree.		

<b>SECTION D - Summary of Total Program Credits</b>			
<b>College (sending) Credits</b>		<b>University (receiving) Requirements</b>	
MnTC/General Education	15		
Major, Emphasis, Unrestricted Electives or Other	42 - 55		
<b>Total College Credits</b>	<b>60 - 70</b>	<b>Total College Credits Applied</b>	<b>57 - 63</b>
		<b>Remaining credit to be taken at the university (receiving institution)</b>	<b>63</b>
		<b>Total Program Credits</b>	<b>120 - 126</b>
<b>Special Notes, if any:</b>			

<sup>2</sup> 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	Joy Bodin	Joy Bodin	1/27/2020
VP Academic & Student Affairs			
Title			
University	Name	Signature	Date

Department Chairperson	Pam McGee	<i>P McGee</i>	1/28/20
Academic Dean	Josh Behl	<i>[Signature]</i>	1/31/20
Chief Academic Officer	Arrick Jackson	<i>[Signature]</i>	2/7/20
DARS Encoder	Jolene Richardson	<i>Jolene Richardson</i>	2/13/20
Date when equivalencies were encoded in DARS by the receiving MnSCU institution.			

