

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

**BISMARCK STATE 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 **BISMARCK STATE 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:

Automotive Technology Diploma, 47.0604

Automotive Collision Diploma, 47.0603

Carpentry (Residential) Diploma, 46.0201

Heating Ventilation & Air Conditioning Diploma, 47.0201

Welding Diploma, 48.0508

and the receiving institution has established an **Operations Management: Emphasis in Technical 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 **42 - 57 credits** from the sending program. A total of **69 - 72 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 **07/15/2021** and shall remain in effect until the end date of **07/15/2026** 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 **01/15/2025** (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	BISMARCK STATE COLLEGE	MINNESOTA STATE UNIVERSITY MOORHEAD
Program name	Automotive Technology Diploma, 47.0604 (69 cr) Automotive Collision Diploma, 47.0603 (60 cr) Carpentry (Residential) Diploma, 46.0201 (60 cr) Heating Ventilation & Air Conditioning Diploma, 47.0201 (60 cr) Welding Diploma, 48.0508 (62 cr)	Operations Management
Award Type (e.g., AS)	Diploma	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		
<ul style="list-style-type: none"> • 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. <p style="text-align: center;">(To add rows, place cursor outside of the end of a row and press enter.)</p>		

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	Equip Sub Wav
Minnesota Transfer Curriculum-General Education						
General Education Requirements						
Automotive Technology Diploma, (6 cr)			MNTC General Education courses	1 - 10	6 - 9	
Automotive Collision Diploma, (6 -9 cr)*						
Carpentry (Residential) Diploma, (6 - 9 cr*)						
Heating Ventilation & Air Conditioning Diploma, (6 - 9 cr)*						
Welding Diploma, (6 - 9 cr)*						
MnTC/General Education Total			6 - 9			

Special Notes: MSUM will accept other general education credits as they align with the LASC goal areas and will transfer the same number of credits as BSC awards. Students should work with their advisor at BSC and MSUM to choose the best general education courses to take. *BADM, BUSN, GIS, or CSCI courses do not transfer as general education/LASC.

ECON 201 Principles of Microeconomics (3 cr) is equivalent to MSUM ECON 202 , Principles of Economics I: Micro, Goal Area 5.
 COMM 110 Fundamentals of Public Speaking (3 cr) is equivalent to MSUM COMM 100 Speech Communication MnTC Goal Area 1.
 ENGL 110 College Composition I (3 cr) is equivalent to MSUM ENGL 101 English Composition I, Goal Area 1.
 ENGL 120 College Composition II (3 cr) transfers as Goal Area 1.
 CHEM 121 & 121L General Chemistry I (5 cr) is equivalent to MSUM CHEM 150/ 150L General Chemistry I, Goal Area 3.
 PHYS 211/ 211L College Physics I/ Lab (4 cr) is equivalent to MSUM PHYS 160/ 160L Goal Area 3.
 MATH 103 College Algebra (4 cr) is equivalent to MSUM MATH 127 College Algebra, Goal Area 4.
 MATH 210 Elementary Statistics (3 cr) is equivalent to MSUM MATH 234 Intro to Probability & Statistics, Goal Area 4.
 SOC 110 Intro to Sociology (3 cr) is equivalent to MSUM SOC 110 Intro to Sociology, Goal Area 5.

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, microbiology, etc. which students can select).

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses						
Technical credits as prescribed in program						
Automotive Technology Diploma, (60 cr)			Technical Credits as prescribed in the program	Additional credits up to 18 will be applied as unrestricted elective credits	30	Up to 18
Automotive Collision Diploma, (44 – 51* cr)						
Carpentry (Residential) Diploma, (36 – 51 cr*)						
Heating Ventilation & Air Conditioning Diploma, (44 – 51* cr)						
Welding Diploma, (50 – 53* cr)						
Major, Emphasis, Unrestricted Electives Total			Total College Credits Applied (sum of sections A and B)			
36 - 60			42 - 57			

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

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. *The amount of technical credit depends on the elective courses taken.

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
Remaining MnTC/ LASC Goal Requirements*	24 - 27
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 395 Computer Apps for Technologists	3
OM 470 Purchasing & Sourcing Management	3
OM 482 Quality Management	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
Electives (Consult MSUM Advisor.)*	0 - 6
Total Remaining University Credits²	69 - 72


Special Notes: *Number of elective credits is the amount needed to bring total to 120.

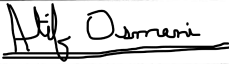


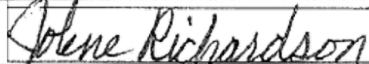
SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	6 - 9		
Major, Emphasis, Unrestricted Electives or Other	36 - 60		
Total College Credits	60 - 69	Total College Credits Applied	42 - 57
		Remaining credit to be taken at the university (receiving institution)	69 - 72
		Total Program Credits	120 - 126

Special Notes:

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.

Two-Year College	Name	Signature	Date
Chief Academic Officer	Daniel Leingang		26 Jul 21

University	Name	Signature	Date
Department Chairperson	Atif Osmani		07/26/2021
Academic Dean	Josh Behl		7/29/2021
Chief Academic Officer	Arrick Jackson		07/29/2021
DARS Encoder	Jolene Richardson		7/29/2021
Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.			