

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

**NORTH DAKOTA STATE COLLEGE OF SCIENCE  
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 North Dakota State College of Science (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 **Building Construction Technology A.A.S. Degree** (hereinafter sending program), and the receiving institution has established a **Construction Management B.S. Degree** (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 **39 credits** from the sending program. A total of **86 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 **08/01/2026** (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	North Dakota State College of Science	Minnesota State University Moorhead (MSUM)
Program name	Building Construction Technology	Construction Management
Award Type (e.g., AS)	A.A.S. Degree	B.S. Degree
Credit Length	76	120
CIP code (6-digit)	15.130301	52.200100
Describe program admission requirements (if any)	Minimum ACT Scores: Reading – 15 English – 15 Math – 17	2.5 minimum GPA requirement

### 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) <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>						
ENGL 110 – College Composition I	1B	3	ENGL 101 – Composition I	1B	3	Equiv
English/Communication Elective: <i>*Recommended: COMM 110 – Fundamentals of Public Speaking</i>	1 (1A)	3 (3)	<i>COMM 100 – Speech Communication</i>	1 (1A)	3 (3)	Equiv
General Education Electives, exact Goal Area course substitutions shall be determined at the time of transfer <i>*Recommended: Math 103 College Algebra</i>	Varies (3)	4 (3)	General Education Electives <i>MATH 127 College Algebra</i>	Varies (3)	4 (3)	Equiv
<b>MnTC/General Education Total</b>		10				

**Special Notes, if any:** \*Recommended because these courses fulfill requirements or pre-requisites for the major at MSUM. CSCI courses don't fulfill LASC requirements at MSUM.

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

## 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, equisociobiology, etc. which students can select).

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses				
FYE 101 – Science of Success	1	FYE 101 – First Year Experience	1	Equiv
HPER 210 – First Aid and CPR	2	HLTH 125 First Aid and CPR	2	Equiv
BCT 115 – Introduction to Light Commercial Construction AND BCT 233 – Commercial Finishes	6	CM 220 – Commercial Building Methods & Materials	6	sub
BCT 222 – Construction Safety	2	CM 365 – Construction Safety	2	sub
BCT 224 – Building Layout	2	CM 200 Surveying Lecture AND CM 200L Surveying Lab	2	sub
ARCH 144 – Construction Estimating I	3	Technical Credits	16	
BCT 110 – Concrete & Sitework	4			
BCT 111 – Concrete Theory	2			
BCT 131 – Rough Carpentry	3			
BCT 132 – Exterior Finish Construction	3			
BCT 133 – Carpentry Fundamentals	2			
BCT 140 – Intro to Print Reading	2			
BCT 201 – Supervised Occupational Experience I	6			
BCT 202 – Construction Seminar	2			
BCT 203 – Supervised Occupational Experience II	4			
BCT 212 – Steel Frame Construction	3			
BCT 220 – Project Supervision	3			
BCT 231 – Interior Finishes	3			
BCT 232 – Finished Carpentry	3			
BCT 240 – Commercial Print Reading	3			
MFGT 120 - Basic Welding I	1			
MATH 130 – Technical Mathematics	2			
MATH 132 – Technical Algebra I	2			
MATH 136 – Technical Trigonometry	2			
<b>Major, Emphasis, Unrestricted Electives Total</b>	<b>66</b>	<b>Total College Credits Applied (sum of sections A and B)</b>	<b>39</b>	

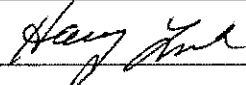
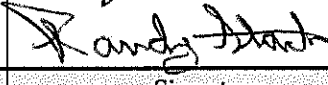
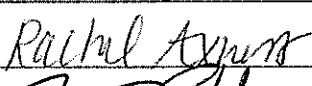

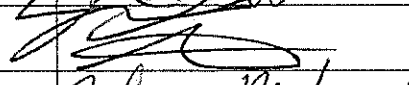
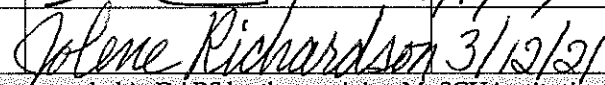
**Special Notes, if any:** MSUM will accept 16 technical credits toward a baccalaureate degree.

## SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	Minimum remaining general education goal areas and credits*	12
	**COMM 100 – Speech Communication	(3)
	Physical Science Elective 1 (Goal Area 3 with lab)	4
	Physical Science Elective 2 (Goal Area 3 with or without lab)	3,4
	MATH 142 – Pre-Calculus (Goal Area 4)	5
	ECON 202 – Principles of Economics: Microeconomics <b>OR</b> ECON 204 – Principles of Economics: Macroeconomics (GA 5)	3
	ENGL 201 – Composition II (Goal Area 6)	3
	CM 205 – Professional Growth Seminar	1
	CM 216 – Construction Graphics	3
	CM 230 – Estimating I Quantity Survey	3
	CM 254 - Mechanical/Electrical Systems	3
	CM 327 – Sustainability in a Built Environment (Goal Area 10)	3
	CM 335 – Estimating II Pricing & Productivity	3
	CM 340 – Planning & Scheduling	3
	CM 350 – Structural Design & Analysis	3
	CM 370 – Construction Docs/Specs	3
	CM 425 – Equipment Productivity & Analysis	3
	CM 434 – Construction Cost Analysis	3
	CM 445 – Contractor Quality Control	3
	CM 460 – Project Administration	3

	CM 469 – Internship	3
	CM 470 – Construction Law	2
	CM 492 – Capstone Experience	3
	ACCT 230 – Principles of Accounting I	3
	ACCT 280 – Legal Environment of Business	3
	MGMT 260 – Principles of Management	3
	<b>Total Remaining University Credits</b>	<b>86</b>
<b>Special Notes:</b> * MnTC goal areas must be met and 42 MnTC/ LASC credits earned. **Required if equivalent courses wasn't taken at NDSCS.		

<b>SECTION D - Summary of Total Program Credits</b>			
<b>College (sending) Credits</b>		<b>University (receiving) Requirements</b>	
<b>MnTC/General Education</b>	10		
<b>Major, Emphasis, Unrestricted Electives or Other</b>	66		
<b>Total College Credits</b>	<b>76</b>	<b>Total College Credits Applied</b>	39
		<b>Remaining credit to be taken at the university (receiving institution)</b>	86
		<b>Total Program Credits</b>	<b>125</b>
<b>Special Notes, if any:</b>			
MSUM and major GPA requirement(s):			
2.5 minimum GPA to be accepted in CM program			
40 upper-division (300, 400-level) semester credits			
Transfer student Writing-Intensive requirement:			
Must complete 2 Writing Intensive courses from MSUM			
Additionally,			
Developmental courses do not count toward graduation.			

<b>College</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Chief Academic Officer	Harvey Link		2/8/21
Department Chair	Randy Stach		2/1/21
<b>University</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Department Chairperson	Rachel Axness		2/22/21
Academic Dean	Dr. Josh Behl		2/25/21
Chief Academic Officer	Dr. Arrick Jackson		3/1/21
DARS Encoder	Jolene Richardson		3/12/21
Date when equivalencies were encoded in DARS by the receiving MnSCU institution.			