

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

**HENNEPIN 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 Hennepin 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 an **Architectural 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 **43 credits** from the sending program. A total of **77 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 **10/15/2020** and shall remain in effect until the end date of **10/15/2025** 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 **04/15/2025** (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	Hennepin Technical College	Minnesota State University Moorhead (MSUM)
Program name	Architectural Technology	Construction Management
Award Type (e.g., AS)	A.A.S. Degree	B.S. Degree
Credit Length	72	120
CIP code (6-digit)	15.130302	52.200100
Describe program admission requirements (if any)		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) ¹	Credits	course prefix, number and name	Goal(s) ¹	Credits Applied	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
Goal Area One <i>*Recommend: ENGL 2121: Writing & Research</i>	1	3	Goal Area One OR ENGL 101 English Composition I	1B	3	Equiv
ENGL 2125 -- Technical Writing	1	3	Goal Area One	1B	3	Equiv
Goal Area Two **	2	3	Goal Area Two	2	3	
Goal Area Five <i>*Recommend: ECON 2200 Principles of Microeconomics OR ECON 2300 Principles of Macroeconomics</i>	5 (5, 9) (5, 8)	3	Goal Area Econ 202 Microeconomics OR Econ 204 Macroeconomics	5	3	Equiv
Goal Area Nine or Ten **	9 or 10	3	Goal Area 9 or 10	9 or 10	3	Sub
MnTC/General Education Total		15				

Special Notes, if any: *These courses are recommended because they are required in the Construction Management major.

** Recommend taking double counted elective MnTC courses to fulfill missing goal areas if possible.

¹ 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, sociobiology, etc. which students can select).

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses				
ARCH 2370 – Architectural Residential Revit	4	CM 216 – Construction Graphics	4	Equiv
ARCH 1203 Residential Materials & Methods Construction AND ARCH 2466 – Commercial Materials & Methods Construction	5	CM 220 – Commercial Building Methods & Materials	5	Equiv
ARCH 1345 – Building Systems	3	CM 254 – Mechanical/Electrical Systems	3	Equiv
ARCH 1008 – Architectural Residential Technology I	5	Technical credits accepted in transfer	16	
ARCH 1011 – Architectural Residential Technology II	5			
ARCH 1101 – Architectural Residential AutoCAD	5			
ARCH 1206 – Strength of Materials	3			
ARCH 1340 – Building Codes: Commercial	2			
ARCH 2121 – Architectural Commercial Technology I	5			
ARCH 2141 – Architectural Commercial Technology II	5			
ARCH 2562 – Capstone: Project Design & Management	5			
ARCH 2936 – Advanced Revit BIM Technology	4			
ARCH 2850 – Architectural Technology Advancements	2			
Technical Electives	4			
Major, Emphasis, Unrestricted Electives Total	57	Total College Credits Applied (sum of sections A and B)	43	

Special Notes: MSUM will accept 16 technical credits toward a baccalaureate degree.

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
Minimum remaining MnTC/ LASC goal areas and credits*	6
Physical Science Elective I (Goal Area 3 with lab)	4
Physical Science Elective II (Goal Area 3 with or without lab)	3
COMM 100 – Speech Communications (Goal Area 1A)	3
MATH 142 – Pre-Calculus (Goal Area 4)	5
ENGL 201 – Composition II (Goal Area 6)	3
CM 200 and 200L – Construction Surveying Lecture and Lab	2
CM 205 – Professional Growth Seminar	1
CM 230 – Estimating I. Quantity Survey	3
CM 327 – Sustainability in a Built Environment (Goal Area 10 & WI)	3
CM 335 – Estimating II Pricing & Productivity	3
CM 340 – Planning & Scheduling	3
CM 350 – Structural Analysis	3
CM 365 – Construction Safety	3
CM 370 – Construction Docs/Specs	3
CM 425 – Equipment Productivity & Analysis	3
CM 434 – Construction Cost Analysis	3
CM 445 – Contractor Quality Management	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
**ECON 202 – Principles of Microeconomics OR ECON 204 – Principles of Macroeconomics (Goal Area 5)	(3)
Total Remaining University Credits	77

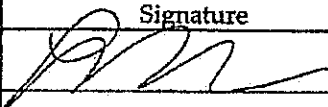
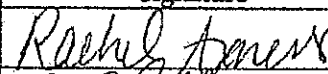
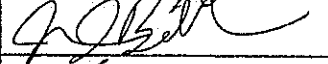
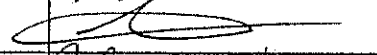

Special Notes: * MnTC goal areas must be met and 42 MnTC/ LASC credits earned. **Required if the equivalent course wasn't taken at Hennepin Technical College..

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	15		
Major, Emphasis, Unrestricted Electives or Other	57		
Total College Credits	72	Total College Credits Applied	43
		Remaining credit to be taken at the university (receiving institution)	77
		Total Program Credits	120

Special Notes, if any:

- Minnesota State University Moorhead requires:
 - Completion of MSU Moorhead's Liberal Arts & Sciences Curriculum (Minnesota Transfer Curriculum) requirements or completion of the Minnesota Transfer Curriculum from the transfer institution.
 - Adhere to MSU Moorhead and major GPA requirements.
 - Fulfill transfer student Writing-Intensive requirements.
 - A minimum of 40 credits at the 300, 400-level. Transfer students will have to take 300 or 400 level MnTC/LASC courses to fulfil this requirement.
- Additionally,
 - Developmental courses do not count toward graduation.

College	Name	Signature	Date
Chief Academic Officer	Rianne Rogstad		11/9/2020
Title			
University	Name	Signature	Date
Department Chairperson	Rachel Axness		11/10/2020
Academic Dean	Josh Behl		11/22/2020
Chief Academic Officer	Arrick Jackson		12/1/20
DARS Encoder	Jolene Richardson		12/17/20

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