

MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN

ANOKA 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 Anoka 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 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 45 credits from the sending program. A total of 88 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 u.Select 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 07/01/2014 and shall remain in effect until the end date of 07/01/2019 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 01/01/2019 (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	Anoka Technical College	Minnesota State University Moorhead (MSUM)
Program name	Architectural & Construction Technology	Construction Management
Award Type (e.g., AS)	A.A.S. Degree	B.S. Degree
Credit Length	60	120
CIP code (6-digit)	15.130301	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						
General Education Electives <i>*Recommended</i>		15				
<i>ENGL 1105 Composition I</i>	(1, 2)	(4)	<i>ENGL 101 – Composition I</i>	(1, 2)	(4)	Equiv
<i>SPCH 1120 Public Speaking</i>	(1)	(3)	<i>CMST 100 Speech Communication</i>	(1)	(3)	Equiv
MnTC/General Education Total		15				

Special Notes, if any: Anoka Technical College's AAS degree in Architectural Technology requires 15 general education credits.
 *MSUM recommends the above courses as they are equivalent to courses required for the BS degree in Construction Management.

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 1002 & 2025 -- Construction Print Reading (2) and ARCH 2025-- Revit Architectural 3D CAD (2)	4	CM 216 -- Construction Graphics	4	Equiv
ARCH 1000 --Residential Construction (2) and ARCH 1015 -- Commercial Construction (2)	4	CM 220 -- Commercial Building Methods & Materials	4	Equiv
CEST 1000 -- Estimating I	3	CM 230 -- Estimating I Quantity Survey	3	Sub
ARCH 2085 -- Structural Technology	3	CM 350 -- Structural Design & Analysis	3	Sub
ARCH 1031 -- Building Systems	2	Technical	16	
ARCH 1035 - Green Building Strategies	1	Technical		
ARCH 1040 -- Residential Graphics	1	Technical		
ARCH 1045 -- Commercial Graphics	1	Technical		
ARCH 1051 -- Architectural CAD I	3	Technical		
ARCH 1052 -- Architectural CAD II	3	Technical		
ARCH 2005 -- Residential CAD Studio	4	Technical		
ARCH 2027 -- Intermediate Revit 3D CAD	2	Technical		
ARCH 2029 -- Advanced Revit 3D CAD	3	Technical		
ARCH 2030 -- Building Codes	1	Technical		
ARCH 2055 -- Commercial CAD Studio	3	Technical		
ARCH 2070 -- Commercial Design	2	Technical		
CEST 1010 -- Construction Estimating II	3	Technical		
CEST 1030 -- Project Management for Estimators	2	Technical		
Restricted elective credits - list courses (if none enter 0)	0			
Unrestricted elective credits (if none enter 0)	0	College's unrestricted elective credits accepted in transfer (if none enter 0)	0	
Major, Emphasis, Unrestricted Electives Total	45	Total College Credits Applied (sum of sections A and B)	45	

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	10
	PHYS 160/160L -- College Physics and Lab (Goal Area 3)	4
	CHEM 150/150L General Chemistry and Lab* (Goal Area 3)	4
	OR GEOS 115 Physical Geology and Lab* (Goal Area 3)	
	OR PHYS 161/161L College physics II and Lab	
	MATH 229 or 234 -- Calculus for Business & Social Science OR MATH 234 -- Intro to Probability & Statistics (Goal Area 4)	3
	ECON 202 -- Principles of Economics: Microeconomics OR ECON 204 -- Principles of Economics: Macroeconomics (Goal Area 5)	3
	ENGL 201 -- Composition II (WI)	3
	CM 200 & 200L -- Surveying & Surveying Lab	2
	CM 205 -- Professional Growth Seminar	1
	CM 223 -- Construction Statics	3
	CM 254 -- Mechanical/Electrical Systems	3
	CM 325 -- Heavy/ Highway Const. Materials	3
	CM 326 -- H/H Construction Materials Lab	1
	CM 327 -- Sustainability in a Built Environment (Goal Area 10)	3
	CM 335 -- Estimating II Pricing & Productivity	3
	CM 340 -- Planning & Scheduling	4
	CM 365 -- Construction Safety	2
	CM 370 -- Construction Docs/Specs	3
	CM 425 -- Equipment Productivity & Analysis	3

	CM 434 – Construction Cost Analysis	3
	CM 460 – Project Administration	3
	CM 469 – Internship	3
	CM 496 – Capstone Experience	3
	ACCT 230 – Principles of Accounting I	3
	ACCT 304 – Legal Environment of Business	3
	MGMT 360 – Principles of Management	3
	MGMT Elective (see advisor for choices)	3
	PMGT 385 – Process Leadership (WI)	3
	OM 394 – Computer Applications for Technologists	3
	University unrestricted elective credits not counted elsewhere (if none enter 0)	0
	Total Remaining University Credits	88

Special Notes: *These science courses are recommended since they help fulfill the LASC/ general ed requirements.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	15		
Major, Emphasis, Unrestricted Electives or Other	45		
	60	Total College Credits Applied	45
		Remaining credit to be taken at the university (receiving institution)	88
		Total Program Credits	133

Special Notes, if any:

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 (WI) requirement:
 Must complete 2 Writing Intensive courses from MSUM
 Additionally, Developmental courses do not count toward graduation.

College	Name	Signature	Date
Chief Academic Officer	HEIDI HAAGENSON	Heidi Haagenenson	2/21/14
Title			
University	Name	Signature	Date
Department Chairperson	Scott Seltveit	Scott Seltveit	4/1/14
Academic Dean	Dr. Marsha Weber	Marsha Weber	4-2-14
Chief Academic Officer	Dr. Anne Blackhurst	Anne Blackhurst	
DARS Encoder	Tara Spletstoser	Tara Spletstoser	4/4/14

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