

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

**Southeast Technical Institute
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 Southeast Technical Institute (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
Architectural Engineering Technology AAS, 71 credits, 150101
Automotive Technology AAS, 68 credits, 470604
Civil Engineering Technology AAS, 74 credits, 150201
Collision Repair & Refinish Technology AAS, 72 credits, 470603
Computer Programming AAS, 68 - 69 credits, 110201
Diesel Technology: Transportation Emphasis AAS, 67 credits, 470605
Digital Media Production Technology AAS, 68 credits, 100304
Electrician AAS, 71 credits
Electroneurodiagnostic Technology AAS, 95 - 97 credits, 510903
Electronics Technology AAS, 71 credits, 470201
Horticulture Technology AAS, 73 credits, 010605
HVAC/ R AAS, 72 credits, 470201
Information Technology Security AAS, 60 credits
Invasive Cardiovascular Technology AAS, 99 - 101 credits, 510901
Land Surveying Science Technology AAS, 74 credits
Landscape Design Technology AAS 70 credits, 010605
Mechanical Engineering Technology AAS, 67 credits, 150805
Mechatronics Technology AAS, 73 credits, 150403
Media Design Technology AAS, 71 credits, 100303
Network Administrator AAS, 70 credits, 110901
System Administrator AAS, 68 credits, 111001

(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

April, 2018

- A. The receiving institution will accept 54 - 67 credits from the sending program. A total of 57 - 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 01/01/2019 and shall remain in effect until the end date of 01/01/2024 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 07/01/2023 (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	Southeast Technical Institute	Minnesota State University Moorhead
Program name/ Award Type (e.g., AS)/ CIP code (8-digit)	Architectural Engineering Technology AAS, 71 credits, 150101 Automotive Technology AAS, 68 credits, 470604 Civil Engineering Technology AAS, 74 credits, 150201 Collision Repair & Refinish Technology AAS, 72 credits, 470603 Computer Programming AAS, 68 - 69 credits, 110201 Diesel Technology: Transportation Emphasis AAS, 67 credits, 1470605 Digital Media Production Technology AAS, 68 credits, 100304 Electrician AAS, 71 credits Electroneurodiagnostic Technology AAS, 95 - 97 credits, 510903 Electronics Technology AAS, 71 credits, 470201 Horticulture Technology AAS, 73 credits, 010605 HVAC/ R AAS, 72 credits, 470201 Information Technology Security AAS, 60 credits, Invasive Cardiovascular Technology AAS, 99 - 101	Operations Management, BS, 120 credits, 52.020500

	credits, 510901 Land Surveying Science Technology AAS, 74 credits Landscape Design Technology AAS 70 credits, 010605 Mechanical Engineering Technology AAS, 67 credits, 150805 Mechatronics Technology AAS, 73 credits, 150403 Media Design Technology AAS, 71 credits, 100303 Network Administrator AAS, 70 credits, 110901 System Administrator AAS, 68 credits, 111001	
Aware Type (e.g., AS)	AAS	BS
Credit Length		120
CIP code (6-digit)	(See list above.)	52.020500
Describe program admission requirements (if any)		AAS with 30+ prescribed technical credits, as prescribed by program's accrediting board, The Association of Technology, Management, and Applied Engineering (ATMAE)

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)			MSUM University (receiving)			
course prefix, number and name (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.)	Goal(s) ¹	Credits	course prefix, number and name	Goal(s) ¹	Credits Applied	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
General Education Requirement*						
Architectural Engineering Technology AAS, (12 cr) Automotive Technology AAS, (6 cr) Civil Engineering Technology AAS, (12 cr) Collision Repair & Refinish Technology	1-10	6 - 19	MNTC/ LASC General Education courses	1-10	3 - 19	Equiv Or Sub

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

AAS, (6 cr) Computer Programming AAS, (6 cr) Diesel Technology: Transportation Emphasis AAS, (6 cr) Digital Media Production Technology AAS, (3 cr) Electrician AAS, (6 cr) Electroneurodiagnostic Technology AAS, (16 cr) Electronics Technology AAS, (6 cr) Horticulture Technology AAS, (6 cr) HVAC/ R AAS, (6 cr) Information Technology Security AAS, (9 cr) Invasive Cardiovascular Technology AAS, (19 cr) Land Surveying Science Technology AAS, (12 cr) Landscape Design Technology AAS (6 cr) Mechanical Engineering Technology AAS, (12 cr) Mechatronics Technology AAS, (6 cr) Media Design Technology AAS, (3 cr) Network Administrator AAS, (6-9 cr) System Administrator AAS, (9 cr) HC 119, HC 119L, PHYS 100			0 - 8	Not applicable		0
MnTC/General Education Total			6 - 19			
<p>Special Notes, if any: MSUM will the same number of credits as Southeast Technical Institute awards. ** If students takes equivalencies of these courses at Southeast Technical Institute, fewer MNTC credits will be required in MSU – Moorhead's program: SPCH 101T – Fundamentals of Speech is equivalent to MSUM CMST 100 Speech Communication (Goal 1) ENGL101T – Composition is equivalent to MSUM ENGL 101 English Composition (Goal 1) CHEM 106T – Chemistry Survey is equivalent to MSUM CHEM 110 and 110L Fundamentals of Chemistry (Goal 3) MATH 102T - College Algebra is equivalent to MSUM MATH 127 College Algebra (Goal 4) PSYC101T – General Psychology is equivalent to MSUM PSY 113 General Psychology (Goal 5) SOC 150T – Social Problems satisfies MSUM Goal 5. SOC 250T – Courtship and Marriage satisfies MSUM Goal 5.</p>						
SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other						
<p>(pre-requisite courses, required core courses, required courses in an emphasis, or electives (restricted or general) within the major). <u>Restricted electives (in Major)</u> 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).</p>						
Major, Emphasis, Restricted, Unrestricted Electives or Other Courses						
Technical credits as prescribed in program						
Architectural Engineering Technology AAS, (48 cr) Automotive Technology AAS, (51 cr) Civil Engineering Technology AAS, (51 cr) Collision Repair & Refinish Technology AAS, (55 cr) Computer Programming AAS, (51 - 52 cr) Diesel Technology: Transportation Emphasis AAS, (50 cr) Digital Media Production Technology AAS, (54 cr)				Technical Credits as prescribed in the program Additional credits up to 18 will be applied as unrestricted elective credits	30 Up to 18*	

Electrician AAS, (54 cr) Electroneurodiagnostic Technology AAS, (71 cr) Electronics Technology AAS, (53 cr) Horticulture Technology AAS, (56 cr) HVAC/ R AAS, (52 cr) Information Technology Security AAS, (54 cr) Invasive Cardiovascular Technology AAS, (69 cr) Land Surveying Science Technology AAS, (51 cr) Landscape Design Technology AAS (53 cr) Mechanical Engineering Technology AAS, (44 cr) Mechatronics Technology AAS, (55 cr) Media Design Technology AAS, (57 cr) Network Administrator AAS, (53 cr) System Administrator AAS, (51 cr)				
SSS 100 Student Success Seminar, MATH 100 College Math, MATH 101 Introductory Algebra , MATH 116 Algebra and Trigonometry, COMM 102 Communication in the Workplace, PSYC 100 Psychology at Work, ENGL 201 Technical Writing, RA 114 Essential Skills in the Workplace, HC 114 Health Care/Human Relations	Up to 14	Not applicable	0	
Major, Emphasis, Unrestricted Electives Total	55 - 77	Total College Credits Applied (sum of sections A and B)	54 - 67	
Special Notes, if any: *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.				

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
Remaining MnTC/ LASC Goal Requirements	15 - 27
MATH 127 College Algebra (Goal 4) (Equivalent may have been taken at STI)	0 - 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
ENGL 387 Technical Report Writing	3
MGMT 260 Principles of Management	3
OM 380 Methods Improvement	3
OM 393 Occupational Safety & Health	3
OM 395 Computer Applications in Business	3
OM 482 Quality Planning & Implementation	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 (needed to bring total credits for BS to 120)	0
Total Remaining University Credits	57 - 72

Special Notes, if any:

***The General Education courses listed below are required for the Operations Management BS degree. Equivalent courses can be taken at Southeast Technical Institute (see Section A Notes). Students only need to select two science courses (one course must include a lab and the other must include a lab like experience), one course must be from Chemistry and the other from Physics.**

Choose one Chemistry course from the following:
 CHEM 102 Environmental Chemistry (3) OR
 CHEM 105 Crime Scene Science (3) OR
 CHEM 110 Fundamentals of Chemistry (3) **and**
 CHEM 110L Fundamentals of Chemistry Lab (1) OR
 CHEM 150 General Chemistry I (3) **and**

CHEM 150L General Chemistry Laboratory I (1) OR
 CHEM 304 The Environment and You (3)
 PHYS 160 College Physics I (3) **and**
 PHYS 160L College Physics I Lab (1)
 ECON 202 Principles of Economics I: Micro (3)
 MATH 127 College Algebra (3)
 MATH 234 Introduction to Probability and Statistics (3)
Other suitable course exceptions to be handled by the OM faculty after enrollment

Remaining LASC courses may be used for the 40 upper-division credits requirement to receive the degree.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	3 - 19		
Major, Emphasis, Unrestricted Electives or Other	55 - 77		
Total College Credits	67 - 101	Total College Credits Applied	54 - 67
		Remaining credit to be taken at the university (receiving institution)	57 - 72
		Total Program Credits	124 - 126

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.

College	Name	Signature	Date
Chief Academic Officer	Benjamin Valdez		07 Jan 19
President	Robert Griggs		01-08-19
Title			
University	Name	Signature	Date
Department Chairperson	Josh Behl		11/18/19
Academic Dean	Denise Gorsline		2-14-19
Chief Academic Officer	Marsha Weber		2-15-19
DARS Encoder	Jolene Richardson		2/18/19

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