

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

**Century 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 Century 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 (hereinafter sending program):

Automotive Body Technician Diploma, 41 credits, 47603

Automotive Service Technician Diploma, 64 credits, 47604

Enterprise Computing Technician Diploma, 48 credits, 151202

Facilities Maintenance Engineer Diploma, 48 credits, 460401

Heating, Ventilation, and Air Conditioning Technology Diploma, 48 credits, 470201

Horticulture Technology Diploma, 48 credits, 010605

Orthotics Technician Diploma, 46 credits, 512307

Prosthetic Technician Diploma, 46 credits, 512307

Web Design (VCT) Diploma, 48 credits, 090702

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

- A. The receiving institution will accept 41 - 51 credits from the sending program. A total of approximately 71 - 78 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 10/01/2018 and shall remain in effect until the end date of 10/01/2023 or for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.

April, 2018

- 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 04/01/2023 (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	Century College	Minnesota State University Moorhead
Program name	Automotive Body Technician Diploma, 41 credits, 47603 Automotive Service Technician Diploma, 64 credits, 47604 Enterprise Computing Technician Diploma, 48 credits, 151202 Facilities Maintenance Engineer Diploma, 48 credits, 460401 Heating, Ventilation, and Air Conditioning Technology Diploma, 48 credits, 470201 Horticulture Technology Diploma, 48 credits, 010605 Orthotics Technician Diploma, 46 credits, 512307 Prosthetic Technician Diploma, 46 credits, 512307 Web Design (VCT) Diploma, 48 credits, 090702	Operations Management, BS, 120 credits, 52.020500
Award Type (e.g., AS)	Diploma	BS
Credit Length	Varies, see above	120
CIP code (6-digit)	Varies, see above	52.020500
Describe program admission requirements (if any)		AAS, with 30 or more 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.

(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 Requirements						
Automotive Body Technician Diploma (0 cr)						
Automotive Service Technician Diploma (0-3 cr)						
Enterprise Computing Technician Diploma (7 cr)						
Facilities Maintenance Engineer Diploma (6 cr)						
Heating, Ventilation, and Air Conditioning Technology Diploma (6 cr)			MNTC General Education courses	1 - 10	16 - 20	
Horticulture Technology Diploma (7 cr)						
Orthotics Technician Diploma(6 cr)						
Prosthetic Technician Diploma(6 cr)						
Web Design (VCT) Diploma (3 cr)						
MnTC/General Education Total		0 - 7				

*Students should work with their advisor at Century and MSU Moorhead to choose best general education courses to take at Century. Possible equivalencies are listed below. MSUM will also accept other MnTC credits within the AAS. MSUM will transfer the same number of credits and goal area Century awards.

- ENGL 1021 Composition I equivalent to MSUM's ENGL 101 English Composition I. (Goal 1)
 COMM 1021 Fundamentals of Public Speaking equivalent to MSUM COMM 100 Speech Communication (Goal 1)
 CHEM1020 Chemistry Concepts equivalent to MSUM CHEM 110 and 110L Fundamentals of Chemistry **OR**
 CHEM 1041 Principles of Chemistry I and lab equivalent to MSUM CHEM 150 and 150L General Chemistry (Goal 3)
 PHYS 1020 Physics Concepts and lab equivalent to MSUM PHYS 160 and 160L College Physics I (Goal 3)
 PSYC 1020 General Psychology is equivalent to MSUM PSY 113 General Psychology (Goal 5)
 MATH 1061 College Algebra I equivalent to MSUM MATH 127 College Algebra (Goal 4)
 MATH1025 Statistics equivalent to MSUM Math 234 Introduction to Probability and Statistics (Goal 4)
 ECON 1023 Microeconomics equivalent to MSUM ECON 202 Principles of Economics I: Micro (Goal 5)
 ART 1041 Drawing I transfers as a Goal 6 course.

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						
course prefix, number and name	Goal(s) ¹	Credits	course prefix, number and name	Goal(s) ¹	Credits Applied	Equiv Sub Wav
Technical credits as prescribed in program						
Automotive Body Technician Diploma (41 cr)						
Automotive Service Technician Diploma (61 - 64 cr)						
Enterprise Computing Technician Diploma (41 cr)			Technical Credits as prescribed in the program		30	
Facilities Maintenance Engineer Diploma (42 cr)						
Heating, Ventilation, and Air Conditioning Technology Diploma (42 cr)			Additional credits up to 18 will be applied as unrestricted elective credits		Up to 18	

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

Horticulture Technology Diploma (41 cr)			
Orthotics Technician Diploma (40 cr)			
Prosthetic Technician Diploma (40 cr)			
Web Design (VCT) Diploma (45 cr)			
Major, Emphasis, Unrestricted Electives Total	40 - 64	Total College Credits Applied (sum of sections A and B)	41 - 51

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. Up to 4 credits of internship credit will transfer.

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
Remaining MnTC/ LASC Goal Requirements	26 - 33
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
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
Total Remaining University Credits²	71 - 78

Special Notes, if any: The General Education courses listed below are required for the Operations Management BS degree. Equivalent courses can be taken at NDSCS (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.

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)

*Number of elective credits required to bring the total of credits earned to 120 varies.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	0 - 7		
Major, Emphasis, Unrestricted Electives or Other	40 - 64		
Total College Credits		Total College Credits Applied	41 - 51
		Remaining credit to be taken at the university (receiving institution)	71 - 78
		Total Program Credits	120 - 126

Special Notes, if any:

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			
VP Academic Affairs Title	Jenni Swanson	Jenni Swanson	10/5/18
University	Name	Signature	Date
Department Chairperson	Josh Behl Pam McGee	[Signature]	10/18/18
Academic Dean	Denise Gorsline	Denise Gorsline	10.18.18
Chief Academic Officer	Marsha Weber	Marsha Weber	10-23-18
DARS Encoder	Jolene Richardson	Jolene Richardson	10/25/18
Date when equivalencies were verified encoded in DARS by the receiving MnSCU institution.			