

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

**Lake Region State 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 **Lake Region State 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
Automotive Technology Diploma, 70 credits

Simulator Maintenance Technician Diploma, 66 credits

(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

- A. The receiving institution will accept 48 - 54 credits from the sending program. A total of 74 - 80 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 uSelect 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 05/01/2014 and shall remain in effect until the end date of 05/01/2019 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 11/01/2018 (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	Lake Region State College	Minnesota State University Moorhead
Program name/ Award Type (e.g., AS)/ CIP code (8-digit)	Automotive Technology Diploma, 70 credits, 47.0604 Simulator Maintenance Technician Diploma, 66 credits, 47.0104.	Operations Management, BS, 120 credits, 52.020500
Award Type (e.g., AS)	Diploma	BS
Credit Length	66-70	120
CIP code (6-digit)	(See above.)	52.020500
Describe program admission requirements (if any)		Diploma 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	Goal(s) ¹	Credits	course prefix, number and name	Goal(s) ¹	Credits Applied	Equiv Sub Wav
<small>(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.)</small>						
Minnesota Transfer Curriculum-General Education						
General Education Requirement*		0 - 6			0 - 6	
*Recommend Math 103 College Algebra or higher for transfer			Math 127 College Algebra	4	3	Equiv
Recommend ENGL 110 College Composition I for transfer			ENGL 101 English Composition	1B	3	Equiv
MnTC/General Education Total		0 - 6				

Special Notes, if any: *Students should work with their advisor at Lake Region State College and also MSU Moorhead to choose best courses to take at LRSC. Math 100 & 102 courses won't transfer to MSUM. ENGL 105 and

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

Health Physical Education Recreation courses transfer as elective credit, but don't satisfy general education requirements at MSUM. MSUM will accept other MnTC credits within the diploma and will transfer the same number of credits Lake Region State College awards.

**** If students takes equivalencies of these courses at Lake Region State College, fewer MNTE credits will be required in MSU – Moorhead's program:**

- COMM 110 – Fundamentals of Public Speaking is equivalent to MSUM CMST 100 Speech Communication (Goal 1A)
- ENGL 110 – College Composition I is equivalent to MSUM ENGL 101 English Composition (Goal 1B)
- CHEM 115 – Introductory Chemistry is equivalent to MSUM CHEM 110 and 110L Fundamentals of Chemistry (Goal 3)
- CHEM 121 – General Chemistry I is equivalent to MSUM CHEM 150 and 150L General Chemistry (Goal 3)
- ECON 201 - Principles of Microeconomics is equivalent to MSUM ECON 202 Principles of Economics I: Micro (Goal 5)
- MATH 103 College Algebra is equivalent to MSUM MATH 127 College Algebra (Goal 4).
- MATH 210 - Elem Statistics is equivalent to MSUM MATH 234 Introduction to Probability and Statistics (Goal 4)
- PHYS 211 & PHYS 211L – College Physics I is equivalent to MSUM PHYS 160 and 160L, College Physics I (Goal 3)

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			
Technical credits as prescribed in program Automotive Technology Diploma, (64 cr) Simulator Maintenance Technician Diploma, (62 cr)		Technical Credits as prescribed in the program Additional credits up to 18 will be applied as unrestricted elective credits	30 Up to 18
MATH 100, MATH 102	varies	Not applicable	0
Major, Emphasis, Unrestricted Electives Total	60 - 70	Total College Credits Applied (sum of sections A and B)	48 - 54

Special Notes, if any: No more than 48 technical credits will be applied as elective credit.

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
ACCT 230 Principles of Accounting I (3)	3
ENGL 387 Technical Report Writing (4)	3
MGMT 360 Principles of Management (3)	3
TECH 380 Methods Improvement (3)	3
TECH 483 Cost Analysis (3)	3
TECH 385 Process Leadership (3)	3
TECH 394 Computer Applications for Technologists (4)	4
TECH 428 Project Management (3)	3
**TECH 469 Internship (3-12)	3
TECH 482 Quality Planning and Implementation (3)	3
TECH 485 Production and Inventory Management (3)	3
TECH 493 Occupational Safety and Health (3)	3
*MNTE remaining in Gen Ed goal areas and credits	36 - 42
Total Remaining University Credits	73 - 79

Special Notes, if any:

***The General Education courses listed below are required for the Operations Management BS degree. Equivalent courses can be taken at Lake Region State College (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**

Number of credits in TECH 469 will be based upon how many credits a student needs to obtain the required 40 upper-division credits to receive the degree.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	0 - 6		
Major, Emphasis, Unrestricted Electives or Other	60 - 70		
Total College Credits	66 - 70	Total College Credits Applied	48 - 54
		Remaining credit to be taken at the university (receiving institution)	73 - 79
		Total Program Credits	127
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
VP of Academic Affairs	Lloyd Halvorson	<i>Lloyd Halvorson</i>	4/16/14
Instructional Services Director	Brandi Nelson	<i>Brandi Nelson</i>	4.16.14
Title			
University	Name	Signature	Date
Department Chairperson	Pam McGee	<i>pmcgee</i>	5-2-14
Academic Dean	Dr. Marsha Weber	<i>Marsha Weber</i>	5-2-14
Chief Academic Officer	Dr. Anne Blackhurst	<i>A Blackhurst</i>	5/5/14
DARS Encoder	Tara Spletstoser	<i>Tara Spletstoser</i>	4/15/14

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