

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

**NORTHLAND COMMUNITY AND 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 **NORTHLAND COMMUNITY AND 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 a **SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS ASSOCIATE OF ARTS** (hereinafter sending program), and the receiving institution has established a **GLOBAL SUPPLY CHAIN MANAGEMENT BACHELOR OF SCIENCE** (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, including grade requirements for courses and an overall GPA requirement.

Transfer of Credits

- A. The receiving institution will accept **60 credits** from the sending program. A total of **60 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 **12/15/2017** and shall remain in effect until **12/15/2022** 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 **06/15/2022** (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	NORTHLAND COMMUNITY AND TECHNICAL COLLEGE	MINNESOTA STATE UNIVERSITY MOORHEAD
Program name	Science, Technology, Engineering, & Mathematics	Global Supply Chain Management
Award Type (e.g., AS)	AA	BS
Credit Length	60	120
CIP code (6-digit)	240101	520203
Describe program admission requirements (if any)		A minimum GPA of 2.50 is required to be admitted into the GSCM major.

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 1: Written and Oral Communications Required: ENGL 1111 Composition I and ENGL 1112 Composition II and SPCH 1101 Intro to Public Speaking or SPCH 1103 Interpersonal Communication SPCH 1111 Small Group Communication	1 (1,2) (1,2) (1,2) or (1,2) or (1)	9 (3) (3) (3) or (3) or (3)	Goal 1 Courses ENGL 101 English Composition I Goal 1 Course COMM 100 Speech Communication Goal 1 Course	1 (1,2) (1,2) (1,2) or (1,2) or (1)	9 (3) (3) (3) or (3) or (3)	Equiv Equiv
Goal 3 Natural Sciences (1 course must include a traditional lab)	3	6-10	Goal 3 Course	3	6-10	
Goal 4 Mathematics/ Logic <i>*Recommend: MATH 1110 College Algebra (3)</i>	4	3-5	Goal Area 4 Course <i>MATH 127 College Algebra</i>	4 (4)	3-5 (3)	Equiv
Goal 5: History, Social/ Behavioral Sciences (3 courses from 2 departments)	5	9- 11	Goal Area 5 Course	5	9- 11	

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

*Recommend: ECON 12201 Microeconomics (3)	(5)	(3)	ECON 202 Microeconomics	(5)	(3)	Equiv
Goal 6: Humanities/ Fine Arts (2 different departments)	6	9	Goal Area 6 Course	6	9	
**MnTC Goal areas 7 – 10 may be completed by courses taken above that double count.		0-4			0-4	
Goal 7: Human Diversity	7	(0-3)	Goal Area 7 Course	7	(0-3)	
Goal 8: Global Perspective	9	(0-3)	Goal Area 8 Course	8	(0-3)	
Goal 9: Ethical & Civic Responsibility	9	(0-3)	Goal Area 9 Course	9	(0-3)	
Goal 10: People & the Environment	10	(0-3)	Goal Area 10 Course	10	(0-3)	
MnTC/General Education Total		40				

Special Notes: * These courses are recommended since their equivalents are required in the major. With the MnTC completed at NCTC, MSUM recognizes that their LASC requirements are complete.

** Students should work with advisors to ensure they choose courses that will best complete the MnTC.

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, microbiology, etc. which students can select).

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses					
Elective credits *Recommended: BUSN 2210 Prin of Management (3 cr) MKTG 2200 Prin of Marketing (3 cr) MATH 2203 Statistics (4 cr) BUSN 2221 Prin of Accounting I (4 cr) FYEC 1110 Pathways to Success	19	1	General Electives for Major MGMT 260 Principles of Management (3 cr) MKTG 270 Principles of Marketing (3 cr) MATH 234 Intro to Probability & Statistics (4 cr) ACCT 230 Principles of Accounting I (3 cr)** Elective	19 1	Equiv Equiv Equiv Equiv
Major, Emphasis, Unrestricted Electives Total	20		Total College Credits Applied (sum of sections A and B)	20	

* These courses are recommended because they are required in the major. ** Any courses taken as part of the AA electives that aren't recommended will transfer as general electives for the major.

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
FINC 340 Financial Management OR	3
OM 483 Cost Analysis	
MGMT 370 Management Information Systems	3
MGMT 380 Operations Management	3
MGMT 419 Supply Chain Management	3
MGMT 458 International Management OR	3
PMGT 401 CRM Consulting	
MKTG 444 International Marketing OR	3
PMGT 301 Intro to CRM	
OM 380 Methods Improvements	3
OM 395 Computer Applications in Business	3
OM 470 Purchasing & Sourcing Management	3
OM 472 Logistics Mgmt & Network Design	3
OM 485 Production Inventory Management	3
PMGT 300 Project Management and Scheduling	3
PMGT 385 Process Leadership	3
BUS 480 Dragon Consulting OR	3
OM 469 Internship	
**Elective Credit	18
*ACCT 230 Principles of Accounting I	(3)
*MATH 234 Probability & Statistics (Goal 4)	(3)
*MATH 127 College Algebra (Goal 4)	(3)
*ECON 202 Microeconomics (Goal5)	(3)

	*MGMT 260 Principles of Management	(3)
	*MKTG 270 Principles of Marketing	(3)
	Total Remaining University Credits²	60

Total Remaining University Credits²


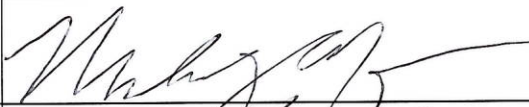





Special Notes: * These courses are required unless equivalent courses were taken at NCTC. ** Consult your MSUM advisor for the best options. The total amount of elective credits must bring the total to at least 120 for the degree.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	40		
Major, Emphasis, Unrestricted Electives or Other	20		
Total College Credits	60	Total College Credits Applied	60
		Remaining credit to be taken at the university (receiving institution)	60
		Total Program Credits	120

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	Carey Castle		22 Dec 17
Academic Dean, Thief River Falls Campus	Mike Curfman		12/28/17
Academic Dean, East Grand Forks Campus	Brian Huschle		12/21/17
University	Name	Signature	Date
Department Chairperson	Pam McGee		1-23-18
Academic Dean	Denise Gorsline		1-23-18
Chief Academic Officer	Marsha Weber		1-25-18
DARS Encoder	Jolene Richardson		2/12/18

Date when equivalencies were verified/encoded in DARS by the receiving Minnesota State institution.