

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

**NORTHLAND COMMUNITY & 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 & 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 **Geospatial Intelligence Analysis AAS** (hereinafter sending program), and the receiving institution has established a **Geosciences BS with Geographical Sciences Emphasis** (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 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 **05/15/2021** and shall remain in effect until the end date of **05/15/2026** 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 **11/15/2025** (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	Geospatial Intelligence Analysis	Geosciences
Award Type (e.g., AS)	AAS	BS
Credit Length	60	120
CIP code (6-digit)	29.0203	400699
Describe program admission requirements (if any)		

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						
ENGL 1111 Composition I	1, 2	3	ENGL 101 English Composition I	1, 2	3	Equiv
MATH 1102 Contemporary Math	2, 4	3	MATH 105 Contemporary Mathematics	2, 4	3	Equiv
NSCI 1103 Geology	3, 10	4	GEOS 115/ 115L Physical Geology	3, 10	4	Equiv
ANTH 2202 Cultural Anthropology	5, 8	3	ANTH 110 Intro to Cultural Anthropology	5, 8	3	Equiv
JOUR 1101 Mass Communications	9	3	OMM 101 Intro to Mass Media	9	3	Equiv
MnTC/General Education Total		16				

Special Notes, if any:

SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other

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

(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				
GINT 2300 GEOINT Analysis	4	General Elective	4	
GINT 2301 GEOINT Collection Mgmt	4	General Elective	4	
GINT 2400 Open Src Collection Mgmt	5	General Elective	5	
GINT 2402 GEOINT Operations	5	General Elective	5	
GINT 2403 GIS Interoperability	3	Restricted Elective	3	
IMAG 1100 Imagery Intelligence	3	Restricted Elective	3	
IMAG 1101 Remote Sensing	3	Restricted Elective	3	
IMAG 1103 Imagery Software/ Mapping	4	GEOS 205 Thinking Spatially	3	Sub
IMAG 2100 Writing/ Presentation	4	General Elective	4	
IMAG2102 Practical IA	5	General Elective	3	
IMAG 2305 Practical Imagery Applications	4	General Elective	4	
Major, Emphasis, Unrestricted Electives Total	44	Total College Credits Applied (sum of sections A and B)	60	

Special Notes:

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
MnTC/ LASC Goal Requirements*	18
ANTH 307 Ecological Anthropology (Goal 10)	3
GEOS 207 GPS Field Techniques	3
GEOS 210 Cartography (Goal 5)	3
GEOS 305 Oceanography (Goal 10)	3
GEOS 307 Intro to GIS	3
GEOS 310 United States & Canada	3
GEOS 320 Economic Geography (W)	3
GEOS 325 Reading Landscape Ways of Seeing (W)	3
GEOS 330 Elementary Meteorology (W)	3
GEOS 335 Environmental Geography & Conservation	3
GEOS 492 Senior Seminar	1
GEOS 110, 111, or 117/117L	3 - 4
Restricted Electives (Consult with MSUM Advisor for best choices)	3
General Electives (Consult with MSUM Advisor for best choices)	4 - 5
Total Remaining University Credits²	60

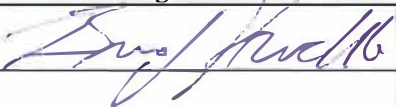



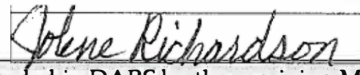
Special Notes: * Goal areas must be met and 42 total MnTC/ LASC credits earned. Take LASC courses that count for more than one goal area if possible. **Note:** The requirements of the GIS certificate are also satisfied with the completion of this major.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	16		
Major, Emphasis, Unrestricted Electives or Other	44		
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	Brian J. Huschle		7/19/21
Title			
University	Name	Signature	Date
Department Chairperson	Russ Colson		7/20/2021
Academic Dean	Lisa Nawrot		7.28.21
Chief Academic Officer	Arrick Jackson		07.28.2021
DARS Encoder	Jolene Richardson		7/28/2021
Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.			