MINNESOTA STATE COLLEGES AND UNIVERSITIES* TRANSFER AGREEMENT BETWEEN	Minnesota North College AND Bemidji State University
*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 Minnesota North College- Mesabi Campus, 1515 East 25th Street Hibbing, MN 55746 (hereinafter sending institution), and Bemidji State University 1500 Birchmont Drive NE, Bemidji, MN 56601-2699 (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 **Electrical Controls and Maintenance AAS** (hereinafter sending program), and the receiving institution has established a **Applied Engineering BAS** (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 72 credits from the sending program. A total of 64 credits remain to complete the receiving program.
B. Courses will transfer as described in the attached Program Transfer 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 Transfer Agreement is effective on 10/13/2023 and shall remain in effect until 10/12/2028 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 Transfer Agreement will be reviewed by both parties beginning 4/12/2028 (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 TRANSFER TABLE

Check if the sending program ___ or receiving program ___ is new.

	College (sending)	University (receiving)
Institution	Minnesota North College- Mesabi Campus	Bemidji State University
Program name	Electrical Controls and Maintenance	Applied Engineering
Award Type (e.g., AS)	AAS	BAS
Credit Length	72	120
CIP code (6-digit)	15.0613	15.0000
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						
CHEM 1200 Introduction to Chemistry	3, 10	4	CHEM 1110	3, 10	4	Equiv
PHYS 1211 College Physics 1 or NSCI 1210 Physical Science	3 3,10	4	PHYS 1101 SCI 1110	3 3,10	4	Equiv
ENGL 1231 College Composition 1	1	4	EGL 1151 Composition	1	4	Equiv
SOC 2210 Human Relations	5	3	MnTC Goal Area and credit equivalent	5	3	Equiv
MnTC Elective from Goal Areas 5, 6, 7, 9	5, 6, 7, 9	3	MnTC Goal Area and credit equivalent	5, 6, 7, 9	3	Equiv
MnTC/General Education Total		18				

Special Notes, if any: Bemidji State University Accepts all Minnesota Transfer Curriculum (MnTC) courses at full credit into the same goal area assigned by the sending college. Remaining Minnesota Transfer Curriculum (MnTC) credits required to complete all Goal Areas may be completed at the college or the university.

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				
ECM 1244 Industrial Pneumatics	2			
ECM 1252 Intro to Ethernet Networks	3			
ECM 1264 Electrical and Electronic Theory	7			
ECM 1276 Electrical/Mechanical Equipment and Systems	3			
MATH 1130 Applied Technical Math	2			
ECM 1251 Programmable Logic Controllers	3	Applied Engineering Technical Block	38	Equiv
ECM 1260 Electrical Safety	1			
ECM 1265 National Electrical Code	3			
ECM 1266 Industrial Motor Control	6			
ECM 1275 Introduction to Process Control	2			
ECM 2253 Automated Machine Control	6			
ECM 2264 Automation Components and Equipment	3	Transfer General Elective Credits	16	
ECM 2266 Temperature, Strain, and Analytical Instruments	3			
ECM 2267 Pressure, Flow, and Level Instruments	3			
ECM 2276 Automated Process Control	7			
General Electives				
Major, Emphasis, Unrestricted Electives Total	54	**Total College Credits Applied (sum of sections A and B)**	72	

SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
Credits to complete MnTC and liberal education requirements	24
I. TADT Common Core (15 Cr.)	
TADT 3111 Project Management Methodology	3
TADT 3267 Economic and Cost Analysis	3
TADT 4385 Sustainability and Emerging Technologies	3
TADT 4873 Emphasis Related Capstone	3
TADT 4878 Quality Assurance	3
II. Applied Engineering Core (21 Cr)	
TADT 3100 Principles of Professional Development	3
TADT 3217Materials Science and Metallurgy	3
TADT 3537 Industrial Design/Innovation	3
TADT 3700 Operations Planning and Control	3
TADT 3887 Safety and Risk Management	3
TADT 4867 Lean Principles and Practices	3
TADT 4879 Service Process/Improvement	3
IV REQUIRED TADT ELECTIVES Select 4 credits of upper division (3000/4000) TADT Electives with advisor approval.	4
Total Remaining University Credits[2]	64

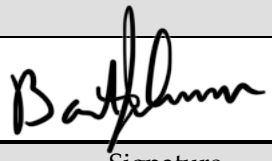
Special Notes, if any:

SECTION D - Summary of Total Program Credits

College (sending) Credits	University (receiving) Requirements

MnTC/General Education	18		
Major, Emphasis, Unrestricted Electives or Other	54		
Total College Credits	72	**Total College Credits Applied**	72
		Remaining credit to be taken at the university (receiving institution)	64
		Total Program Credits	136
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 Chief Academic Officer	Name	Signature	Date
Vice President of Academic Affairs Title	Dr. Bart Johnson		11/29/23
University Chief Academic Officer	Name	Signature	Date
Provost Title	Dr. Allen Bedford	Allen Bedford Digitally signed by Allen Bedford Date: 2023.12.17 11:43:08 -06'00'	
DARS Encoder	Beverly Hodgson	Beverly Hodgson Digitally signed by Beverly Hodgson Date: 2023.12.15 13:12:25 -06'00'	
Transfer Credit Evaluator	Anna Riedel	Anna Riedel Digitally signed by Anna Riedel Date: 2023.12.15 13:53:40 -06'00'	
Date when equivalencies were verified/encoded in DARS by the receiving Minnesota State institution.			