

MINNESOTA STATE COLLEGES AND  
UNIVERSITIES\*  
TRANSFER AGREEMENT  
BETWEEN

Pine Technical & Community 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 Pine Technical & Community College, 900 4TH. Street SE Pine City, MN 55063 (hereinafter sending institution), and Bemidji State University, 1500 Birchmont Drive NE Bemidji, MN 56601 (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 Automated Systems Technology Industrial Equipment Technician (hereinafter sending program), and the receiving institution has established a Engineering Technology 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, 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 75 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 9/11/2019 and shall remain in effect until 9/10/2024 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 3/10/2024 (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	Pine Technical & Community College	Bemidji State University
Program name	Automated Systems Technology Industrial Equipment Technician	Engineering Technology
Award Type (e.g., AS)	AAS	BS
Credit Length	60	120
CIP code (6-digit)	15.0406	15.0612
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) <sup>1</sup>	Credits	course prefix, number and name	Goal(s) <sup>1</sup>	Credits Applied	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
Math 1260 College Algebra or MATH 1256 Mathematical Thinking	4	3	MATH 1170 College Algebra MnTC Equivalent Course	4	3	
ENGL 1276 College Composition or ENGL 1277 Technical Communications	1	4	ENGL 1101 College Writing I MnTC Equivalent course	1	4	
MnTC Goal Area 1 Communication Course	1	3	MnTC Goal Area 1 Communication Course	1	3	
MnTC Goal Area 1-10 Equivalent Course	5-10	5	MnTC Goal Area 1-10 Equivalent Course	1-10	5	
<b>MnTC/General Education Total</b>		<b>15</b>				

**Special Notes, if any:**

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

## 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				
CMAE 1514 Safety Awareness	2	General Elective Credits	2	
CMAE 1526 Maintenance Awareness	2	General Elective Credits	2	
ETEC 1550 DC Power	3	TADT 2465 Engineering Technology Project II	3	Equiv
ETEC 1552 AC Power	3	General Elective Credits	3	
ETEC 1558 Motor Controls	3	General Elective Credits	3	
ETEC 1541 Mechanical Systems	3	TADT 1464 Engineering Technology Project I	3	Equiv
ETEC 1551 Programmable Logic Controllers I	3	TADT 3277 Programmable Logic Controllers	3	Equiv
ETEC 1560 Human Machine Interface I	3	General Elective Credits	3	
ETEC 1581 Automated Systems I	3	General Elective Credits	3	
ETEC 2522 Fluid Power	2	TADT 2100 Impact of Technology	2	Equiv
ETEC 2543 Programmable Logic Controllers II	3	General Elective Credits	3	
WELD 1501 Introduction to Welding	3	TADT 1210 Introduction to Manufacturing Processes I	3	Equiv
MTPP 1201 Basic Machine Shop	3	TADT 1220 Introduction to Manufacturing Processes II	3	
CMAE 1518 Manufacturing Process	2	General Elective Credits	2	
AENG 2230 Manufacturing Project Management	3	TADT 1111 Introduction to Project Management	3	Equiv
ETEC 2900 Automated Systems Technology Capstone	4	General Elective Credits	4	
Unrestricted elective credits (if none enter 0)		College's unrestricted elective credits accepted in transfer (if none enter 0)		
<b>Major, Emphasis, Unrestricted Electives Total</b>	<b>45</b>	<b>Total College Credits Applied (sum of sections A and B)</b>	<b>60</b>	



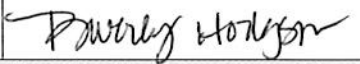
## SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	<b>Remaining credits to complete MnTC and General Education Requirements</b>	<b>16</b>
	<b>TADT Common Core – 15 Credits</b>	
	TADT 3267 Economic and Cost Analysis	3
	TADT 3970 Internship	1
	TADT 4385 Sustainability and Emerging Technologies	3
	TADT 4873 Emphasis Related Capstone	3
	TADT 4878 Quality Assurance	3
	TADT 4970 Internship	2
	<b>Engineering Technology Core – 37 Credits</b>	
	MATH 1470 Precalculus	5
	PHYS 1101 General Physics I	4
	PHYS 1102 General Physics II	4
	TADT 1460 2D Graphics and Laser Etching	3
	TADT 2217 Strength of Materials	3
	TADT 2461 Parametric 3D Modeling	3
	TADT 2877 Engineering Problem Solving	3
	TADT 3217 Materials Science and Metallurgy	3
	TADT 3462 Computer Controlled Machining	3
	TADT 3537 Industrial Design/Innovation	3
	TADT 4778 Advanced Topics in Technology	3
	<b>Required Foundation Courses, Select 7 Credits</b>	<b>7</b>

	TADD 3440 3D Design Software (4 credits)	
	TADD 3450 History of Modern Design (4 credits)	
	TADD 3579 Branding and Packaging (4 credits)	
	TADT 3250 Print Reading and Project Documentation (3 credits)	
	TADT 4589 Advanced Prototype Project (3 credits)	
	TADT 4880 Total Quality Management (3 credits)	
	University unrestricted elective credits not counted elsewhere (if none enter 0)	
	<b>Total Remaining University Credits<sup>2</sup></b>	75
<b>Special Notes, if any:</b>		

<b>SECTION D - Summary of Total Program Credits</b>			
<b>College (sending) Credits</b>		<b>University (receiving) Requirements</b>	
MnTC/General Education	15		
Major, Emphasis, Unrestricted Electives or Other	45		
<b>Total College Credits</b>	60	<b>Total College Credits Applied</b>	60
		<b>Remaining credit to be taken at the university (receiving institution)</b>	75
		<b>Total Program Credits</b>	135
<b>Special Notes, if any:</b>			

<sup>2</sup> 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 and Student Affairs	Dr. Denine Rood		10/2/19
Title			
University Chief Academic Officer	Name	Signature	Date
Provost and Vice Pres Academic and Student Affairs	Dr. Anthony Peffer		9/24/19
Title			
DARS Encoder	Beverly Hodgson		9/20/19
Date when equivalencies were verified/encoded in DARS by the receiving Minnesota State institution.			