MINNESOTA STATE COLLEGES AND UNIVERSITIES* TRANSFER AGREEMENT BETWEEN	Alexandria Technical and 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 Alexandria Technical and Community College 1601 Jefferson St, Alexandria, MN 56308 (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 **Engineering Technology A.S.** (hereinafter sending program), and the receiving institution has established a **Engineering Technology B.S.** (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 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 6/20/2022 and shall remain in effect until 6/19/2027 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 12/19/2026 (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.

3/28/2022

PROGRAM TRANSFER TABLE

	College (sending)	University (receiving)
	Check if the sending program X or receiving program ____ is new.	
Institution	Alexandria Technical and Community College	Bemidji State University
Program name	Engineering Technology	Engineering Technology
Award Type (e.g., AS)	A.S.	B.S.
Credit Length	60	120
CIP code (6-digit)	15.0000	15.0612

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 1410 English Composition I	1 & 2	3	ENGL 1151 Composition I	1 & 2	3	Equiv
ENGL 1420 English Composition II	1 & 2	3	ENGL 2152 Argument and Expression	1 & 2	3	Equiv
COMM 1437 Intercultural Communication	1 & 7	3	Equivalent Credits and Goal Area	1 & 7	3	Equiv
PHIL 1445 Ethics	6 & 9	3	PHIL 2220 Ethics	6 & 9	3	Equiv
ECON 1430 Microeconomics	5	3	ECON 2000 Markets & Res. Allocation	5	3	Equiv
ECON 1420 Macro Economics	5 & 8	3	ECON 2100 Macroeconomics & the Business Cycle	5 & 8	3	Equiv
ENGL 1495 Environmental Literature	6 &10	3	Equivalent Credits and Goal Area	6 &10	3	Equiv
MATH 1425 Precalculus	4	4	MATH 1470 Precalculus	4	4	Equiv
MATH 1426 Calculus I	4	4	MATH 2471 Calculus I	4	4	Equiv
MATH 2232 Calculus II	4	4	Equivalent Credits and Goal Area	4	4	Equiv
PHYS 1081 Engineering Physics I w-Lab	3	4	PHYS 2101 Physics I	3	4	Equiv
PHYS 1082 Engineering Physics II w-lab	3	4	PHYS 2102 Physics II	3	4	Equiv
CHEM 1500 General Chemistry with Lab	3	4	CHEM 2211 Principles of Chemistry I	3	4	Equiv
MnTC/General Education Total		45				
Special Notes, if any: MNTC is completed at the college.						

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[1] 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). <u>Restricted electives (in Major)</u> 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				
MFGT 1550 Engineering Drafting	2	General Elective Credits	2	
MEDR 1615 Computer Assisted Drafting 2-D	4	TADT 1460 2D Graphics And Laser Etching	4	Equiv
MEDR 1618 Computer Assisted Drafting 3-D	3	TADT 2461 Parametric 3D Modeling	3	Equiv
Choose 6 credits from Cybersecurity (CVNP), Mechanical Drafting and Design (MEDR), Mechatronics (MFGT or FLPO), Engineering	6	TADT 1464 Engineering Tech. Project I and General Elective Credits (3 cr.)	6	Sub
* MATH 1425 Precalculus	0	* MATH 1470 Precalculus	0	Equiv
* PHYS 1081 Engineering Physics I w-Lab	0	* PHYS 1101 General Physics I	0	Sub
* PHYS 1082 Engineering Physics II w-lab	0	* PHYS 1102 General Physics II	0	Sub
General Electives				
Major, Emphasis, Unrestricted Electives Total	**15**	**Total College Credits Applied (sum of sections A and B)**	**60**	

Special Notes: *Credits from these courses are shown in section A. of this agreement.

SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	* Credits to complete upper-division requirement	3
	TADT Common Core	
	TADT 1111 Introduction to Project Management	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
	TADT 3970 Internship	1
	TADT 4970 Internship	2
	Engineering Technology Core Courses	
	TADT 1210 Introduction to Manufacturing Processes I	3
	TADT 1220 Introduction to Manufacturing Processes II	3
	TADT 2100 Impact Of Technology, Art & Design	2
	TADT 2217 Strength of Materials	3
	TADT 2465 Engineering Technology Project II	3
	TADT 2877 Engineering Problem Solving	3
	TADT 3217 Materials Science and Metallurgy	3
	TADT 3277 Programmable Logic Controllers	3
	TADT 3462 Computer Controlled Machining	3
	TADT 3537 Industrial Design/Innovation	3
	TADT 4778 Advanced Topics in Technology	3
	REQUIRED FOUNDATION COURSES **Choose 7 credits from the following or any 3000/4000 level TADD course:** TADT 3250 Print Reading and Project Documentation (3 credits) TADT 4589 Advanced Prototype Project (3 credits) TADT 4880 Total Quality Management	7
	Total Remaining University Credits[2]	60

Special Notes, if any: *Students are required to complete forty upper division credits to earn a bachelor's degree.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	45		
Major, Emphasis, Unrestricted Electives or Other	15		
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 Chief Academic Officer	Name	Signature	Date
Interim VP of Academic & Student Affairs Title	Mr. Scott Berger		
University Chief Academic Officer	Name	Signature	Date
Provost Title	Dr. Allen Bedford		
DARS Encoder	Beverly Hodgson		
Transfer Credit Evaluator	Anna Riedel		
Date when equivalencies were verified/encoded in DARS by the receiving Minnesota State institution.			