

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 Street, 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 General Engineering AS Degree (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 69 credits from the sending program. A total of 52-57 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 7/11/2025 and shall remain in effect until 7/10/2030 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 1/10/2030 (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	Alexandria Technical and Community	Bemidji State University
Program name	General Engineering	Engineering Technology
Award Type (e.g., AS)	AS	B.S.
Credit Length	69	120
CIP code (6-digit)	14.0101	15.0612
Program admission requirements (if any)	This agreement is specifically for sailors pursuing the General Engineering Technology AAS through the US Naval Community College and Alexandria Technical and Community College Consortium.	

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 1500 General Chemistry I	2, 3	4	CHEM 2271 and CHEM 2211	2, 3	4	Equiv
ENGL 1410 Composition I	1, 2	3	ENGL 1151 Composition	1, 2	3	Equiv
MATH 1425 Precalculus	4	4	MATH 1470 Precalculus	4	4	Equiv
NAV 101 Naval Ethics and Leadership	6, 9	3	Equivalent credits and MNTC Goal Area	6, 9	3	Equiv
NAV 102 Naval History	5	3	Equivalent credits and MNTC Goal Area	5	3	Equiv
NAV 103 Naval Force Design	5	3	Equivalent credits and MNTC Goal Area	5	3	Equiv
NAV 104 The National Defense Establishment and Civil-Military Organization	5	3	Equivalent credits and MNTC Goal Area	5	3	Equiv
NAV 105 Introduction to the Geopolitical Environment	5, 8	3	Equivalent credits and MNTC Goal Area	5, 8	3	Equiv
MATH 1426 Calculus I	4	4	MATH 2471 Calculus I	4	4	Equiv
PHYS 1081 Engineering Physics I	3	4	PHYS 2101 University Physics I	3	4	Equiv
MATH 2232 Calculus II	4	4	MATH 2472 Calculus II	4	4	Equiv
PHYS 1082 Engineering Physics II	3	4	PHYS 2102 University Physics II	3	4	Equiv
MATH 2240 Calculus III	4	4	Equivalent credits and MNTC Goal Area	4	4	Equiv

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

MATH 2200 Differential Equations & Linear Algebra	4	4	Equivalent credits and MNTC Goal Area	4	4	Equiv
MnTC/General Education Total		50				
Special Notes, if any: This agreement is specifically for sailors pursuing the General Engineering AS through the US Naval Community College and Alexandria Technical and Community College Consortium.						
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						
CSCI 1525 C++ for Scientists and Engineers	4	TADT 2877 Engineering Problem Solving	4	Sub		
ENGR 1220 Introduction to Engineering	3	TADT 1464 Engineering Technology Project I	3	Equiv		
ENGR 2101 Statics	3	TADT 2217 Strength of Materials	3	Equiv		
ENGR 2102 Dynamics 3 cr. and ENGR 2103 Mech. of Deformable Bodies 3 cr. and ENGR 2105 Thermodynamics 3 cr.	9	*TADD 3558 TAD LAB: Machining (2 cr) *TADD 3559 TAD LAB: Traditional Woods (2 cr) *TADD 3660 TAD LAB: Welding (2 cr) Engineering Technology Lab Electives (3 cr.)	9	Sub		
*PHYS 1081 Engineering Physics I	0	*PHYS 1101 General Physics I	0	Sub		
*PHYS 1082 Engineering Physics II	0	*PHYS 1102 General Physics II	0	Sub		
Major, Emphasis, Unrestricted Electives Total		19	Total College Credits Applied (sum of sections A and B)		69	
Special Notes: *PHYS 1081 Engineering Physics I and PHYS 1082 Engineering Physics II will substitute for *PHYS 1101 General Physics I (4 credits) PHYS 1102 General Physics II (4 credits). Credits for these courses are reflected in section A. of this agreement. ENGR 2102, 2103, and 2105 will transfer into TAD 3558, 3559, and 3660 as upper division courses.						

SECTION C - Remaining University (receiving) Requirements		
	course prefix, number and name	Credits
	*1Credits to complete MNTC and general education graduation requirement	9
	TADT Common Core	
	**2TADT 1111 Introduction to Project Management	3
	TADT 3267 Economic and Cost Analysis	3
	TADT 3873 Capstone Preparation	1
	TADT 3880 Quality Assurance	3
	TADT 4867 Lean Principles and Practices	3
	TADT 4873 Emphasis Related Capstone	3
	Required Internships	
	TADT 3970 Internship and	1
	TADT 4970 Internship	2
	OR	
	TADT 4971 Internship: Coop	1-12
	II ENGINEERING TECHNOLOGY CORE COURSES	
	****4TADT 2465 Engineering Technology Project II	0-3
	TADT 3217 Materials Science and Metallurgy	3
	***3TADT 3277 Programmable Logic Controllers	3
	TADT 3462 Computer Controlled Machining	3
	TADT 3537 Engineering Design	3
	TADT 4899 Design of Experiments	3

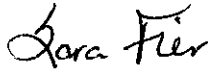
	III ENGINEERING TECHNOLOGY LAB COURSES	
	TADD 3680 TAD LAB: AutoCAD	2
	TADD 3690 TAD LAB: SolidWorks	2
	TADD 4690 TAD LAB: Geometric Dimensioning and Tolerancing	2
	TADD 4699 TAD LAB: Finite Element Analysis	2
	*****Choose 3 credits from the following list of courses: (May be waived, see notes section below)	0-3
	TADD 3448 Tech Toolbox II: Fusion 360 (2 credits)	
	TADD 3480 Ceramics: Hand & Wheel (4 credits)	
	TADD 3551 Tech Toolbox I: 3ds Max (2 credits)	
	TADD 3557 TAD LAB: Molding & Casting (2 credits)	
	TADD 3667 TAD LAB: Finishing & Aesthetics (2 credits)	
	TADD 3668 TAD LAB: Laser (2 credits)	
	TADD 3677 TAD LAB: 3D Printing (2 credits)	
	TADD 3678 TAD LAB: CNC Woods (2 credits)	
	TADD 3689 TAD LAB: Lab Electronics (2 credits)	
	TADT 3971 Internship: Lean Six Sigma (2 credits)	
	TADT 4971 Internship: Coop (1-12 credits)	
	Total Remaining University Credits²	51-57

Special Notes:

1. * To complete the MnTC as prescribed, some courses may have to cover multiple goal areas. Navy students will receive an additional 3-6 MNTC credits (BSU Coar Curriculum) or general elective credits for completing Navy Basic Training NV-2202-0165. Three credits are assumed in this agreement. Credits will vary based on when basic training was completed. Credits will be based on ACE recommendations.
2. ** TADT 3111 Project Management Methodology may be substituted for TADT 1111 Intro to Project Management.
3. *** Students may take MFGT 2552 Programmable Logic Controls (4cr) online through Alexandria Technical and Community College as a substitute for Bemidji State University's TADT 3277 Programmable Logic Controllers.
4. **** Credit for Prior Learning for TADT 2465 Engineering Technology Project II will be granted for specific Navy Courses listed in Appendix A. Sailors who have not completed one of the courses listed in Appendix A will take the course TADT 4727 Procurement and Inventory Control (3 credits) as a substitute course for TADT 2465 Engineering Technology Project II.
5. ***** Credit for Prior Learning for Engineering Technology restricted lab electives (3 cr.) will be granted for specific Navy Courses listed in Appendix A. Students having completed one of those Navy courses will not need to take remaining Engineering Technology Lab Electives. Sailors who have not completed one of the Navy courses listed in Appendix A, will need to take TADT 4898 Simulation of Industrial Processes as a course substitution.
6. Internships may be earned while on Active duty in the Navy. See an advisor for details.

SECTION D - Summary of Total Program Credits			
College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	50		
Major, Emphasis, Unrestricted Electives or Other	19		
Total College Credits	69	Total College Credits Applied	69
		Remaining credit to be taken at the university (receiving institution)	51-57
		Total Program Credits	120-125
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 & Student Affairs	Dr. Sara Fier		7/25/25
Title			
University Chief Academic Officer	Name	Signature	Date
Provost & VP for Academic Affairs	Dr. Marah Jacobson		7/25/25
Title			
Transfer Credit Evaluator	Anna Riedel		
Date when equivalencies were verified/encoded in DARS by the receiving Minnesota State institution.			

Appendix A.

Navy Courses Substituting for BSU Engineering Technology Requirements				
Navy Course Name	Course Number/Version	Equivalent to TADT 2465 Engineering Technology Project II	Substitute for Engineering Technology Required Lab Electives (3 cr.)	Additional Technical Credit or General Electives
Digital Tutor System Administration	K-150-2115 V1 5/15 to Pres	Yes	ENG 111 2	
Aviation Structural Mechanic	C-603-0175 V5	Yes		
Electrical (initial) Organizational Maintenance	C-602-4412 V3	Yes		
Gas Turbine Technician School	A-652-0053 V2	Yes		
Electrical Control Devices	J-662-0044 V3	Yes		
Aviation Structural Mechanic	C-603-0175 V5	Yes		
Gas Turbine Systems Electrical/Electrician's Mate Apprentice Technical Training	A-652-1000 V1	Yes		
Quartermaster Class A	A-061-0012 V5	No		
Aviation Machinist's Mate (AD)	C-601-2011 V5	Yes		
Aircraft Launch and Recovery Equipment C13 Catapult Class C1	V-604-2014 V4	Yes	Yes	0
Entry Level Electronic Intelligence (ELINT)	A-231-0073 V5	No	Yes	3
Aviation Electronic Technician Organizational Level	C-100-2018 V4	Yes	Yes	7
Aviation Technician Level 1 Strand, Class A1	C-100-2017 V1	Yes	Yes	6
Aviation Electrician's Mate Class A1	C-602-2039 V3	Yes	Yes	1
Sonar Technician Surface 'A' School	K-130-0037 V3	No	No	8
Communications Signals Collection	A-231-1460 V7	Yes	No	3
Intermediate Communications Signals Analyst	A-232-0451 V4	Yes	Yes	6
Tactical Computers and Network Operator	A-531-0767 V4	No	No	6
SSN 668 & 774 Block I & II Vertical Launch System Basic Operation and Tube Maintenance	A-123-0207 V3	Yes	No	0

Electrician's Mate Apprentice Technical Training	A-100-0102 V3	Yes	Yes	4
Aviation Support Equipment Technician (AS) Apprentice Technical Training (ATT)	C-100-0113 V2	Yes	No	1
Interior Communications Electrician Apprentice Technical Training	A-100-0103 V1	Yes	Yes	5
Sonar Technician Surface Apprentice Technical Training	A-100-0107 V3	Yes	Yes	4
AN/SLQ-32B(V)2 Maintenance	A-102-1980 V3	Yes	Yes	0
Electrician's Mate 'A' School	A-662-2221 V2	Yes	No	0
Torpedoman's Mate Block 0	A-123-0300 V1	Yes	Yes	3
Basic Engineering Common Core Advanced	A-651-0011 V2	No	No	6
Engineering Professional Apprenticeship Career Tract (EPACT)	A-651-1111 V2	Yes	No	1
25MM Machine Gun System (MGS) MK 38 (MOD) Operation and Maintenance (O&M)	A-041-0004 V3	Yes	No	1
Aviation Boatswain's Mate, Launching and Recovery Equipment	NER-ABE-005	Yes	Yes	3
Aviation Structural Mechanic	NER-AM-006	Yes	Yes	1
Airman	NER-AN-004	No	Yes	3
Electrician's Mate	NER-EM-009	Yes	Yes	9
Engineman	NER-EN-004	Yes	Yes	3
Electronics Technician (Navigation)	NER-ETV-002	Yes	Yes	6
Machinist's Mate	NER-MM-007	Yes	Yes	7
Sonar Technician, Submarine	NER-STS-006	Yes	Yes	6
Torpedoman's Mate (Technician)	NER-TM-001	No	Yes	3
Utilities Chief	11E V6	Yes	Yes	6
Refrigeration Mechanic	MCE-1161-001	Yes	Yes	3
Marine Science Technician (MST) 'A' School	210110 V6	No	Yes	9
Marine Science Technician	CGR-MST-004	No	Yes	9
Combat Engineer	12B10-OSUT V3	No	Yes	10
Bridge Crewmember	12C10-OSUT V2	No	Yes	10

Watercraft Engineer	652-88L10 V5	Yes	Yes	4
Tactical Power Generation Specialist	662-91D10 V7	Yes	Yes	2
Fire Control Systems Repairer	113-91G10 V1	Yes	Yes	3
Tracked Vehicle Repairer	611-91H10 V6	Yes	Yes	8
Self Propelled Artillery Systems Maintainer	611-91P10 V2	Yes	Yes	6
Stryker Systems Maintainer	610-91S10 V2	Yes	Yes	6
Land Combat Electronic Missile System Repairer	121-94A10 V10	Yes	Yes	2
Radio Equipment Repairer	101-94E10 V2	Yes	Yes	4
Multiple Launch Rocket System (MLRS) Repairer	121-94P10 V3	Yes	Yes	8
Avionics and Survivability Equipment Repairer	102-94R10 V2	Yes	Yes	5
Short Range Air Defense System Repairer	121-94T10 V5	Yes	Yes	6