

**An Articulation Agreement Between:
University of Wisconsin Oshkosh (UW Oshkosh)
Fox Valley Technical College (FVTC)**

WTCS Degree Type and Program: A.A.S. in Manufacturing Engineering Technology
UW System Degree Type and Major: B.S. with a major in Mechanical Engineering Technology

Effective Date: July 1, 2024

Next Review Date: May 1, 2026

New Agreement

Revised Agreement – original agreement signed May 2016
– first revision signed July 2017
– second revision signed July 2019

Agreement Description and Rationale:

This articulation agreement has been established to expand educational opportunities for students enrolled in engineering technology programs in Northeast Wisconsin. Students enrolling at any higher educational institution in Northeast Wisconsin can start their studies at any campus and finish a B.S. degree with a major in engineering technology at UW Oshkosh. The B.S. degree with a major in Mechanical Engineering Technology will be conferred by UW Oshkosh after the successful completion of the specified UW Oshkosh courses in residence at UW Oshkosh in addition to the courses transferred from a partner institution. This allows current associate degree holders, new students, and returning students to maximize their educational experiences and decrease redundancy in courses taken, thereby reducing time to degree.

An articulation agreement between the A.A.S. degree in Manufacturing Engineering Technology offered at FVTC and the B.S. degree with a major in Mechanical Engineering Technology at UW Oshkosh is justified by the close alignment of the curriculums, which leads to efficient transfer of credits and a natural extension of student learning in the transition from a two-year to a four-year degree program.

This articulation agreement is entered into with the understanding that both parties shall remain properly accredited with their respective accrediting bodies:

- University of Wisconsin Oshkosh: The Higher Learning Commission
- Fox Valley Technical College: The Higher Learning Commission

Here follows the curriculum agreed upon in this Articulation between UW Oshkosh and Fox Valley Technical College:

Admission Requirements/Conditions Specific to this Agreement:

Requirements are identical to those required for general admission to UW Oshkosh.

Articulation Transfer Agreement Terms:

The terms of this agreement apply to Fox Valley Technical College students who successfully complete the A.A.S. degree in Manufacturing Engineering Technology; meet the admission requirements set forth below for the UW Oshkosh; and enroll in the B.S. degree with a major in Mechanical Engineering Technology.

Appendix A is a transfer course/credit articulation table illustrating the list of courses the student must complete to earn the B.S. degree with a major in Mechanical Engineering Technology at UW Oshkosh, including requirements fulfilled at Fox Valley Technical College and courses the student must take at UW Oshkosh.

Students must meet the following requirements to earn the B.S. degree with a major in Mechanical Engineering Technology at UW Oshkosh:

- The minimum number of credits is 120.
- The minimum cumulative Grade Point Average is 2.000.
- Upper-level course work: A minimum of 35 credits must be completed at 300-level or above.
- Credits from four-year institutions: A minimum of 48 credits must be earned from four-year institutions. This does not limit the number of credits that can be transferred from WTCS institutions to UW Oshkosh.
- Credits from UW Oshkosh: A minimum of 30 credits must be earned from UW Oshkosh.
- Residency requirement: Completion of 15 of the last 30 credits earned toward the degree must be from UW Oshkosh.
- Satisfactory completion of the major and degree requirements listed in Appendix A.

Additional courses completed at Fox Valley Technical College may be transferrable to satisfy UW Oshkosh general education and breadth requirements. These courses are searchable via the UW Oshkosh link to the Transferology website: <https://www.transferology.com/school/uwosh> Transfer students are encouraged to consult with the UW Oshkosh Transfer Admissions Counselor (transfer@uwosh.edu) for advising regarding course selection and the transfer process.

Approved by:

University of Wisconsin Oshkosh

Fox Valley Technical College

Anne Stevens
Dean of College of Letters & Science Date

Steven Straub
Dean of Manufacturing & Agricultural Tech Date

Edwin Martini
Provost & Vice Chancellor Date

Christopher Matheny
Vice President for Instructional Services Date

Andrew Leavitt
Chancellor Date

Susan May
President Date

Appendix A

WTCS Degree Type and Program: A.A.S. in Manufacturing Engineering Technology

UW System Degree Type and Major: B.S. with a major in Mechanical Engineering Technology

Effective Date: July 1, 2024

Table accompanies new agreement

Revised table for existing agreement

Transfer Course/Credit Articulation Table:

Fox Valley Technical College A.A.S. in Manufacturing Engineering Technology Transferable Courses/Credits			UW Oshkosh B.S. with a major in Mechanical Engineering Technology All Program Course/Credit Requirements			
Table 1: General Education / Breadth Requirements*						
Course	Title	Xfr Cr	Course	Title	Gen Ed Area	Req Cr
801 195	Written Communication	3	WRT 188	First-Year Writing (3 cr)	WRT	0
801 196	Oral/Interpersonal Communication	3	COMM 111	Intro to Public Speaking (3 cr)	COMM	0
809 198	Introduction to Psychology	3	PSYCH 101	General Psychology (3 cr)	XS	0
809 195	Economics	3	ECON 101	General Economics (3 cr)	XS	0
				Ethnic Studies Course (3 cr)	XS, ES	3
				Humanities Course (3 cr)	XC	3
				Humanities Course (3 cr)	XC	3
				Global Citizen Course (3 cr)	XC, GC	3
			WRT 287	Advanced Writing (3 cr)	XK	3
General Education Transfer Credits		12	General Education Total – 49-52 credits (includes general education credits from Table 2)			15

*Additional courses not listed here may be transferable to satisfy general education or breadth requirements – these are searchable via the UW Oshkosh link to the Transferology website: <https://www.transferology.com/school/uwosh> Refer also to Note 1 below.

Table 2: Major Program Requirements						
Course	Title	Xfr Cr	Course	Title	Gen Ed Area	Req Cr
Support Group (all courses required)						
			MATH 161 MATH 171	Technical Calc I (3 cr) or Calculus I (5 cr)	XM	3 or 5
			MATH 162 MATH 172	Technical Calc II (3 cr) or Calculus II (4 cr)	XM	3 or 4
			PHYS 171 PHYS 191	College Physics I (5 cr) or University Physics I (5 cr)	XL	5
Fundamentals Group (all courses required)						
	Waived – Refer to Note 2	0	EGR 105	Engineer Fundamentals (3 cr)		0
623 192	Graphics & Software Applications	4	EGR 110	Engineering Graphics (3 cr)		0
623 199	Manufacturing Processes	3	EGRT 116	Basic Manuf Processes (3 cr)		0
620 111	Pneumatics 1	1	EGRT 118	Fluid Control (3 cr)		1
620 113	Hydraulics 1 Refer to Note 3 for additional credit	1				
623 168	Electrical Concepts & Components Refer to Note 4 for additional credit	2	EGRT 130	Electrical Circuits I (4 cr)	XL	1
			EGRT 207	Parametric Modeling (3 cr)		3
620 164	Elements of Machines 1	1	EGRT 221	Machine Components (3 cr)		0
620 165	Elements of Machines 2	1				
623 131	Tool Design	3				
	Refer to Note 5		EGR 201	Engineering Statics (3 cr)		1

Format satisfies UW System Guidelines for Articulation Agreements outlined in the [UW System Administrative Policy 140](#)

			EGR 202	Engineering Dynamics (3 cr)		3
	Refer to Note 6		EGR 203	Mechanics of Materials (4 cr)		1
Advanced Study Group (all courses required)						
			EGRT 320	Motors & Drives (4 cr)	XL	4
623 190	Lean Process Design	3	EGRT 322	Design Problems (3 cr)		0
			EGRT 330	Thermodynamics (3 cr)		3
			EGRT 335	Heat Transfer (3 cr)		3
			EGRT 342	Measure Ctrl & Data (3 cr)		3
623 132	Project Management	3	EGRT 360	Project Management (3 cr)		0
			EGRT 390	Mechatronics (4 cr)		4
	Refer to Note 7		EGR 400 EGR 410	Internship (1-3 cr) or Capstone Project (3 cr)		1
Advanced Elective (3 cr required)						
			EGR 282	Engineering Economics (3 cr)		
			EGRT 308	Finite Element Analysis (3 cr)		3
			EGRT 318	Fluid Mechanics (3 cr)		
			EGRT 365	Special Topics (3 cr)		
Other FVTC Program Courses						
606 119	Statics & Strength of Materials	3	EGRT 1	Elective credit eligible for conversion to equivalent course – Refer to Note 5		
606 121	Elements of Machine Design	3	EGRT 1	Elective credit eligible for conversion to equivalent course – Refer to Note 6		
449 188	Essentials of Manufacturing Safety	1	EGRT 1	Elective – Refer to Note 8		
623 120	Computer-Aided Manufacturing	4	EGRT 1	Elective – Refer to Note 8		
623 121	Engineering Materials	3	EGRT 1	Elective – Refer to Note 8		
623 156	Manufacturing Cost Analysis	3	EGRT 1	Elective – Refer to Note 8		
623 193	Automation for Mfg Engr Tech	3	EGRT 1	Elective – Refer to Note 8		
623 195	Lean Tools	2	EGRT 1	Elective – Refer to Note 8		
804 197	College Algebra & Trig w/Apps	5	MATH 108	Pre-Calculus	XM	
Major Program Transfer Credits		49	Major Program Minimum – 70 credits			42
Total Transfer Credits		61	Minimum Additional Credits to B.S. Degree (to satisfy degree, major & 120 credit minimum)			59

Notes:

1. Transfer students are strongly encouraged to consult with the UW Oshkosh Transfer Admissions Counselor (transfer@uwosh.edu) for advising regarding course selection and the transfer process well in advance of their transfer term.
2. Transfer students with an Associate of Applied Science degree in Manufacturing Engineering Technology are not required to complete the EGR 105 Engineering Fundamentals course for the Bachelor of Science degree with a major in Mechanical Engineering Technology. Total UW Oshkosh program and degree credit requirements must still be satisfied.
3. Transfer students may complete 620 112 Pneumatics 2 (1 cr) or 620 114 Hydraulics 2 (1 cr) at FVTC to satisfy the EGRT 118 Fluid Control course requirement for the Mechanical Engineering Technology major at UW Oshkosh.
4. Transfer students may complete 660 114 AC Circuits 1 (1 cr) at FVTC to satisfy the EGRT 130 Electrical Circuits I course requirement for the Mechanical Engineering Technology major at UW Oshkosh.
5. 606 119 Statics & Strength of Materials (3 cr) AND {MATH 161 Technical Calculus I (3 cr) OR MATH 171 Calculus I (5 cr)} AND EGRT 222 Engineering for Transfers: Statics (1 cr) will satisfy EGR 201 Engineering Mechanics: Statics (3 cr) for the major in Mechanical Engineering Technology.

6. 606 121 Elements of Machine Design (3 cr) AND {MATH 161 Technical Calculus I (3 cr) OR MATH 171 Calculus I (5 cr)} AND EGRT 222 Engineering for Transfers: Mechanics of Materials (1 cr) will satisfy EGR 203 Mechanics of Materials (4 cr) for the major in Mechanical Engineering Technology.
7. A UW Oshkosh faculty member will serve as the advisor for the Internship or Capstone Project requirement.
8. Elective credits may be used to satisfy total credit requirements for the Mechanical Engineering Technology major (72 credits minimum) and the B.S. degree (120 credits minimum).

This articulation agreement may be retrieved from: <https://uwosh.edu/engineeringtech/students/transfer/>

Questions regarding this agreement and the transfer process may be directed to:

Dennis Rioux, Coordinator
University of Wisconsin Oshkosh
Department of Engineering & Engineering Technology
rioux@uwosh.edu
920 424 4429