

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

**WTCS Degree Type and Program:** A.A.S. in Mechanical Design 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 Dec 2014  
– first 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 Mechanical Design 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 Mechanical Design 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:

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

- 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](mailto:transfer@uwosh.edu)) for advising regarding course selection and the transfer process.

**Approved by:**

University of Wisconsin Oshkosh

Fox Valley Technical College

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 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

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 Susan May  
 President                      Date

## Appendix A

**WTCS Degree Type and Program:** A.A.S. in Mechanical Design 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 Mechanical Design Technology Transferable Courses/Credits			UW Oshkosh B.S. with a major in Mechanical Engineering Technology All Program Course/Credit Requirements			
<b>Table 1: General Education / Breadth Requirements*</b>						
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
809 199	Psychology of Human Relations	3	PSYCH 8	Psychology Elective (3 cr)	XS	0
				Social Science Course (3 cr)	XS	3
				Ethnic Studies Course (3 cr)	XS, ES	3
809 103	Think Critically & Creatively	3	ELEC 6	General Elective (3 cr)	XC	0
				Humanities Course (3 cr)	XC	3
				Global Citizen Course (3 cr)	XC, GC	3
			WRT 287	Advanced Writing (3 cr)	XK	3
<b>General Education Transfer Credits</b>		<b>12</b>	<b>General Education Total – 49-52 credits (includes general education credits from Table 2)</b>			<b>15</b>

\*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.

<b>Table 2: Major Program Requirements</b>						
Course	Title	Xfr Cr	Course	Title	Gen Ed Area	Req Cr
<b>Support Group (all courses required)</b>						
			MATH 161 MATH 171	Technical Calc I (3 cr) <b>or</b> Calculus I (5 cr)	XM	3 <b>or</b> 5
			MATH 162 MATH 172	Technical Calc II (3 cr) <b>or</b> Calculus II (4 cr)	XM	3 <b>or</b> 4
			PHYS 171 PHYS 191	College Physics I (5 cr) <b>or</b> University Physics I (5 cr)	XL	5
<b>Fundamentals Group (all courses required)</b>						
	Waived – Refer to Note 2	0	EGR 105	Engineer Fundamentals (3 cr)		0
606 151	Sketching & Design Process	1	EGR 110	Engineering Graphics (3 cr)		0
606 152	CAD & Geometric Constructions	1				
606 153	Multiview Projections	1				
623 119	Manufacturing Processes	4	EGRT 116	Basic Manuf Processes (3 cr)		0
			EGRT 118	Fluid Control (3 cr)		3
			EGRT 130	Electrical Circuits I (4 cr)	XL	4
606 102	CATIA V5 – Basic <b>or</b>	2	EGRT 207	Parametric Modeling (3 cr)		0
606 139	Intro to Autodesk Inventor <b>or</b>					
606 141	Solidworks					
606 123	Kinematics	4	EGRT 221	Machine Components (3 cr)		0
	Refer to Note 3		EGR 201	Engineering Statics (3 cr)		1
			EGR 202	Engineering Dynamics (3 cr)		3

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

	Refer to Note 4		EGR 203	Mechanics of Materials (4 cr)		1
<b>Advanced Study Group (all courses required)</b>						
			EGRT 320	Motors & Drives (4 cr)	XL	4
606 111	Design Problems	4	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
			EGRT 360	Project Management (3 cr)		3
			EGRT 390	Mechatronics (4 cr)		4
	Refer to Note 5		EGR 400 EGR 410	Internship (1-3 cr) <b>or</b> Capstone Project (3 cr)		1
<b>Advanced Elective (3 cr required)</b>						
			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)		
<b>Other FVTC Program Courses</b>						
606 119	Statics & Strength of Materials	3	EGRT 1	Elective credit eligible for conversion to equivalent course – Refer to Note 3		
606 121	Elements of Machine Design	3	EGRT 1	Elective credit eligible for conversion to equivalent course – Refer to Note 4		
420 120	Metallurgy – Mechanical Design	1	EGRT 1	Elective – Refer to Note 6		
606 109	Geo Dimensioning & Tolerancing	2	EGRT 1	Elective – Refer to Note 6		
606 115	Design of Tooling	4	EGRT 1	Elective – Refer to Note 6		
606 154	Section Views & Auxiliary Views	1	EGRT 1	Elective – Refer to Note 6		
606 155	Dimensioning & Tolerancing	1	EGRT 1	Elective – Refer to Note 6		
606 156	Threads & Fasteners	1	EGRT 1	Elective – Refer to Note 6		
606 157	Gears & Cams	1	EGRT 1	Elective – Refer to Note 6		
606 158	Working Drawings	1	EGRT 1	Elective – Refer to Note 6		
606 159	Structural & Piping Drafting	1	EGRT 1	Elective – Refer to Note 6		
606 160	AutoCAD Mechanical	1	EGRT 1	Elective – Refer to Note 6		
	Technical Electives	4	EGRT 1	Elective – Refer to Note 6		
804 197	College Algebra & Trig w/Apps	5	MATH 108	Pre-Calculus	XM	
806 144	College Physics 2	3	PHYS 172	College Physics II	XL	
<b>Major Program Transfer Credits</b>		<b>49</b>	<b>Major Program Minimum – 70 credits</b>			<b>47</b>
<b>Total Transfer Credits</b>		<b>61</b>	<b>Minimum Additional Credits to B.S. Degree (to satisfy degree, major &amp; 120 credit minimum)</b>			<b>62</b>

**Notes:**

1. Transfer students are strongly encouraged to consult with the UW Oshkosh Transfer Admissions Counselor ([transfer@uwosh.edu](mailto: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 Mechanical Design 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. 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 Statics for Engineering (3 cr) for the major in Mechanical Engineering Technology.

4. 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.
5. A UW Oshkosh faculty member will serve as the advisor for the Internship or Capstone Project requirement.
6. 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:

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