

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

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

**Effective Date:** July 1, 2019

**Next Review Date:** May 1, 2021

New Agreement

Revised Agreement – original agreement signed 15 Dec 2014  
– revised agreement signed 17 July 2019

**Agreement Description and Rationale:**

This articulation agreement is being established in order to expand educational opportunities for students enrolled in engineering technology programs in northeast Wisconsin. Students enrolling at any higher educational institution in northeast Wisconsin will be able to start their degree at any campus and finish a bachelor's degree 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 UW Oshkosh courses transferred from a partnered institution. This will allow for current associate degree holders, new students, and returning students to maximize their educational experiences and decrease redundancy in courses taken and 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 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, to wit:

- UW 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.

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; course/credit requirements fulfilled at Fox Valley Technical College; and courses the student must take at UW Oshkosh may be found in Appendix A.

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

- The minimum number of credits to earn the B.S. degree from UW Oshkosh is 120.
- A minimum cumulative GPA of 2.0.
- Upper level course work: A minimum of 35 credits must be completed at 300-level or above.



**Appendix A**  
**University of Wisconsin (UW) Oshkosh**

**WTCS Degree Type and Program:** A.A.S. in Mechanical Design Technology  
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**Effective Date:** July 1, 2019

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 Requirements			
<b>Table 1: General Education / Breadth Requirements*</b>							
Course	Title	Gen Ed Area	Xfr Cr.	Course	Title	Gen Ed Area	Req Cr.
801 195	Written Communication	Comm	3	WBIS 188	Writing Seminar (3 cr)	WBIS	0
801 196	Oral/Interpersonal Comm	Comm	3	COM 111	Intro to Public Speaking (3 cr)	COMM	0
809 199	Psych of Human Relation	Soc Sci	3	PSYCH 1	Psychology Elective (3 cr)	XS	0
					History Course (3 cr)	XS	3
					Social Science Course (3 cr)	XS	3
					Ethnic Studies Course (3 cr)	XS, ES	3
					English Literature (3 cr)	XC	3
					Humanities Course (3 cr)	XC	3
					Humanities Course (3 cr)	XC	3
					Global Citizen Course (3 cr)	XC, GC	3
				ENGL 312	Advanced Composition (3 cr)	CONN	3
809 103	Think Crit & Creative	Soc Sci	3	ELECT 1	General Elective		
<b>General Education Transfer Credits</b>			<b>12</b>	<b>General Education Total – 55-58 credits (includes gen ed credits from Table 2)</b>			<b>24</b>

\*Additional coursework not listed here may be transferable to satisfy general education or breadth requirements and are searchable through the UW System Transfer Information System (TIS) Wizards (<https://www.wisconsin.edu/transfer/wizards/>).

<b>Table 2: Major Program Requirements</b>							
Course	Title	Gen Ed Area	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)	NS	3 <b>or</b> 4
				PHYS 171 PHYS 191	General Physics I (5 cr) <b>or</b> General Physics I (5 cr)	XL, NS	5
<b>Fundamentals Group (all courses required)</b>							
	Waived – Refer to Note 1			EGRT 101	Fund of Eng Technology (2 cr)		0
606 151	Sketch & Design Process		1	EGRT 105	Fund of Drawing (3 cr)		0
606 152	CAD & Geometric Const		1				
606 153	Multiview Projections		1				
623 119	Manufacturing Processes		4	EGRT 116	Basic Manufacturing (3 cr)		0
				EGRT 118	Fluid Control (3 cr)		3
				EGRT 130	Electrical Circuits I (3 cr)	XL, NS	4
606 102 606 141 606 139	CATIA Basic <b>or</b> Solidworks <b>or</b> Intro to Autodesk Inventor		2	EGRT 207	Parametric Modeling (3 cr)		0

606 123	Kinematics		4	EGRT 221	Machine Components (3 cr)		0
	Refer to Note 3			EGR 201	Engineering Statics (3 cr)		3
				EGR 202	Engineering Dynamics (3 cr)		3
	Refer to Note 3			EGR 203	Mechanics of Materials (4 cr)		4
<b>Advanced Study Group (all courses required)</b>							
				EGRT 320	Motors & Drives (4 cr)	XL, NS	4
606 111	Design Problems		4	EGRT 322	Eng Design Problems (3 cr)		0
				EGRT 330	Thermodynamics (3 cr)		3
				EGRT 335	Heat Transfer (3 cr)		3
				EGRT 342	Measure & Data Acq (3 cr)		3
				EGRT 360	Project Management (3 cr)		3
				EGRT 390	Mechatronics (4 cr)		4
	Refer to Note 2			EGRT 400 EGRT 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)		3
				EGRT 308	Finite Element Analysis (3 cr)		
				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 courses – Refer to Note 3		
606 121	Elements of Machine Design		3				
606 154	Section & Aux Views		1	EGRT 1	Elective – Refer to Note 4		
606 155	Dimension & Tolerance		1	EGRT 1	Elective – Refer to Note 4		
606 156	Threads & Fasteners		1	EGRT 1	Elective – Refer to Note 4		
606 157	Gears & Cams		1	EGRT 1	Elective – Refer to Note 4		
606 158	Working Drawings		1	EGRT 1	Elective – Refer to Note 4		
606 159	Structural & Piping Draft		1	EGRT 1	Elective – Refer to Note 4		
606 160	AutoCAD Mechanical		1	EGRT 1	Elective – Refer to Note 4		
420 120	Metallurgy – Mech Design		1	EGRT 1	Elective – Refer to Note 4		
606 109	Geo Dim & Tolerancing		2	EGRT 1	Elective – Refer to Note 4		
606 115	Design of Tooling		4	EGRT 1	Elective – Refer to Note 4		
	Technical Electives		4	EGRT 1	Elective – Refer to Note 4		
806 144	College Physics 2	Nat Sci	3	PHYS 172	General Physics II		
804 197	College Algebra & Trig	Math	5	MATH 108	Pre-Calculus	XM	
<b>Major Program Transfer Credits</b>			<b>49</b>	<b>Major Program Minimum – 72 credits</b>			<b>52</b>
<b>Total Transfer Credits</b>			<b>61</b>	<b>Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major &amp; 120 credit minimum)</b>			<b>76</b>

**Notes:**

1. Transfer students with an Associate of Applied Science degree in Mechanical Design Technology are not required to complete the EGRT 101 Fundamentals of Engineering Technology course for the Bachelor of Science in Mechanical Engineering Technology degree. Total UW Oshkosh program and degree credit requirements must still be satisfied.
2. A UW Oshkosh faculty member will serve as the advisor for the Internship or Capstone Project requirement.
3. 606 119 Statics & Strength of Materials (3 cr) AND 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 Mechanics for Transfers (2 cr) will satisfy EGR 201 Statics for Engineering (3 cr) AND EGR 203 Mechanics of Materials (4 cr) for the major in Mechanical Engineering Technology only. See <https://uwosh.edu/engineeringtech/mechanical/courses/> for course descriptions and prerequisites.
4. 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 may be directed to:

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