

**An Articulation Agreement Between:
University of Wisconsin Oshkosh (UW Oshkosh)
Moraine Park Technical College (MPTC)**

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

Effective Date: July 1, 2023

Next Review Date: May 1, 2025

New Agreement

Revised Agreement

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 Quality & Advanced Manufacturing Technology offered at MPTC 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
- Moraine Park Technical College: The Higher Learning Commission

Here follows the curriculum agreed upon in this Articulation between UW Oshkosh and Moraine Park 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 Moraine Park Technical College students who successfully complete the A.A.S. degree in Quality & Advanced Manufacturing 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 Moraine Park 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](#)

Appendix A

WTCS Degree Type and Program: A.A.S. in Quality & Advanced Manufacturing Technology
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Table accompanies new agreement Revised table for existing agreement

Transfer Course/Credit Articulation Table:

Moraine Park Technical College A.A.S. in Quality & Advanced Manufacturing 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
801 136	English Composition 1	3	WRT 188	First-Year Writing (3 cr)	WRT	0
801 196	Oral & Interpersonal or 801 198 Speech	3	COMM 111	Intro to Public Speaking (3 cr)	COMM	0
801 198		3				
809 1xx	Social Science Course	3		Refer to Note 1	XS	0
809 1xx	Behavioral Science Course	3		Refer to Note 1	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
806 143	College Physics 1	3	PHYS 171	College Physics I (5 cr)	XL	0
Fundamentals Group (all courses required)						
	Waived – Refer to Note 2	0	EGR 105	Engineer Fundamentals (3 cr)		0
623 110	Technical Print Reading	2	EGR 110	Engineering Graphics (3 cr)		0
623 191	Basic Metrology	2				
623 162	Manufacturing Processes	3	EGRT 116	Basic Manuf Processes (3 cr)		0
			EGRT 118	Fluid Control (3 cr)		3
			EGRT 130	Electrical Circuits I (4 cr)	XL	4
617 112 617 114	CAD 3D Creo Para or CAD 3D Solidworks	3	EGRT 207	Parametric Modeling (3 cr)		0
			EGRT 221	Machine Components (3 cr)		3
			EGR 201	Engineering Statics (3 cr)		3
			EGR 202	Engineering Dynamics (3 cr)		3

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			EGR 203	Mechanics of Materials (4 cr)		4
Advanced Study Group (all courses required)						
664 100	Industrial Control Systems	2	EGRT 320	Motors & Drives (4 cr)	XL	0
664 105	Industrial Robotics	2				
			EGRT 322	Design Problems (3 cr)		3
			EGRT 330	Thermodynamics (3 cr)		3
			EGRT 335	Heat Transfer (3 cr)		3
628 136	Statistical Process Control	3	EGRT 342	Measure Control & Data (3 cr)		0
623 166	Lean Process & Quality Planning	3	EGRT 360	Project Management (3 cr)		0
623 111	Integrated Manufacturing Planning – Manufacturing Technology	2	EGRT 390	Mechatronics (4 cr)		0
623 112	Integrated Manufacturing Production – Manufacturing Tech	2				
	Refer to Note 3		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 MPTC Program Courses						
623 106	Quality Tools or	3	EGRT 1	Elective – Refer to Note 4		
628 132	Adv CNC Operation					
623 118	Gage Calibrate & Test or	3	EGRT 1	Elective – Refer to Note 4		
628 122	Basic CNC Operation					
623 134	Basic CMM Operation or	3	EGRT 1	Elective – Refer to Note 4		
628 142	Computer Aided Manuf					
623 168	ISO 9001 & Auditing or	2	EGRT 1	Elective – Refer to Note 4		
664 115	Robotics & Vision Sys					
623 196	Geometric Dimension & Tolerance	3	EGRT 1	Elective – Refer to Note 4		
664 110	Intro to Mechatronics	2	EGRT 1	Elective – Refer to Note 4		
664 120	Intro to Internet of Things	2	EGRT 1	Elective – Refer to Note 4		
804 195	College Algebra w/Apps	3	MATH 104	College Algebra	XM	
103 159	Computer Literacy	0		No degree credit		
890 101	College 101	0		No degree credit		
Major Program Transfer Credits		48	Major Program Minimum – 70 credits			39
Total Transfer Credits		60	Minimum Additional Credits to B.S. Degree (to satisfy degree, major & 120 credit minimum)			60

Notes:

- 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. For this A.A.S. program UW Oshkosh recommends:
 - In the Social Science area, take 809 172 Introduction to Diversity Studies (3 cr) or 809 196 Introduction to Sociology (3 cr) because these courses transfer as (XS)(ES) and would count as a required Explore Society (XS) course while simultaneously fulfilling the Ethnic Studies (ES) requirement.
 - In the Behavioral Science area, take 809 198 Intro to Psychology (3 cr) to fulfill a required Explore Society (XS) course.
- Transfer students with an Associate of Applied Science degree in Quality & Advanced Manufacturing 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.
- A UW Oshkosh faculty member will serve as the advisor for the Internship or Capstone Project requirement.

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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 and the transfer process may be directed to:

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