

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

WTCS Degree Type and Program: A.A.S. in Automated Manufacturing Systems Technology
UW Degree Type and Major: B.S. with a major in Electrical Engineering Technology

Effective Date: July 1, 2019

Next Review Date: May 1, 2021

New Agreement

Revised Agreement – original agreement signed 28 Jan 2015
– revised agreement signed 17 July 2017

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 Electrical 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 Automated Manufacturing Systems Technology offered at FVTC and the B.S. degree in Electrical 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 Automated Manufacturing Systems Technology; meet the admission requirements set forth below for the UW Oshkosh; and enroll in the B.S. degree with a major in Electrical 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 Electrical 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 Electrical 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.
- 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 degree credit requirements listed in Appendix A.

Additional coursework completed at Fox Valley Technical College may be transferrable to satisfy UW Oshkosh general education or breadth requirements. These courses are listed in Appendix A or are searchable through the UW System Transfer Information System (TIS) Wizards (<https://www.wisconsin.edu/transfer/wizards/>).

Approved by:

University of Wisconsin Oshkosh

Fox Valley Technical College

 Colleen McDermott
 Dean of College of Letters & Science Date

 Steven Straub
 Dean of Manufacturing & Agricultural Tech Date

 John Koker
 Provost & Vice Chancellor Date

 Christopher Matheny
 Vice President for Instructional Services Date

 Andrew Leavitt
 Chancellor Date

 Susan May
 President Date

Appendix A
University of Wisconsin (UW) Oshkosh

WTCS Degree Type and Program: A.A.S. in Automated Manufacturing Systems Technology
UW Degree Type and Major: B.S. with a major in Electrical Engineering Technology

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 Automated Manufacturing Systems Technology Transferable Courses/Credits				UW Oshkosh B.S. with a major in Electrical Engineering Technology All Program Course Requirements			
Table 1: General Education / Breadth Requirements*							
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
809 195	Economics	Soc Sci	3	ECON 106	General Economics (3 cr)	XS	0
809 199	Psych of Human Relation	Soc Sci	3	PSYCH 1	Psychology Elective (3 cr)	XS	0
					History Course (3 cr)	XS	3
					Ethnic Studies Course (3 cr)	XS, ES	3
					Humanities Course (3 cr)	XC	3
					Humanities Course (3 cr)	XC	3
					English Literature (3 cr)	XC	3
					Global Citizen Course (3 cr)	XC, GC	3
				ENGL 312	Advanced Composition	CONN	3
General Education Transfer Credits			12	General Education Total – 55-58 credits (includes gen ed credits from Table 2)			21

*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/>).

Table 2: Major Program Requirements							
Course	Title	Gen Ed Area	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)	NS	3 or 4
				PHYS 171 PHYS 191	General Physics I (5 cr) or General Physics I (5 cr)	XL, NS	5
Fundamentals Group (all courses required)							
	Waived – Refer to Note 1			EGRT 101	Fund of Eng Technology (2 cr)		0
628 187	AutoCAD Fundamentals		1	EGRT 105	Fund of Drawing (3 cr)		0
628 188	Blueprint & AutoCAD		1				
660 110	DC Circuits 1		1	EGRT 130	Electrical Circuits I (4 cr)	XL, NS	0
660 111	DC Circuits 2		1				
660 114	AC Circuits 1		1				
660 112	DC Circuits 3 + additional FVTC credits		1	EGRT 131	Electrical Circuits II (4 cr)	XL, NS	2
				CSCI 216	C++ (4 cr)		4
660 128	Semiconductors 1		1	EGRT 232	Semiconductor Devices (3 cr)		2

	+ additional FVTC credits						
660 170	Ladder Logic & Control		1	EGRT 240	Logic & Control (3 cr)		0
628 151	PLC 1		1				
628 152	PLC 2		1				
				EGRT 246	Electric Power Systems (3 cr)		3
628 153	PLC 3		1	EGRT 260	Automation Controllers (3 cr)		0
628 154	PLC 4		1				
628 155	PLC 5		1				
Advanced Study Group (all courses required)							
620 148	Motors & Drives 1		1	EGRT 320	Motors & Drives (4 cr)		2
620 142	Motors & Drives 2 + additional FVTC credits		1				
				EGRT 325	Signals & Systems (3 cr)		3
				EGRT 333	Linear Circuits (3 cr)		3
628 171	Inst & Process Control 1		1	EGRT 342	Measure & Data Acq (3 cr)		0
628 172	Inst & Process Control 2		1				
628 173	Inst & Process Control 3		1				
				EGRT 350	Data Comm Protocols(3 cr)		3
				EGRT 360	Project Management (3 cr)		3
628 140	Intro Cell Integration		1	EGRT 390	Mechatronics (4 cr)		0
628 141	Cell Integration		3				
	Refer to Note 2			EGRT 400 EGRT 410	Internship (1-3 cr) or Capstone Project (3 cr)		1
Advanced Elective (3 cr required)							
				EGR 282	Engineering Economics (3 cr)		3
				EGRT 348	E-Fields & Applications (3 cr)		
				EGRT 352	Communication Systems (3 cr)		
				EGRT 365	Special Topics (3 cr)		
Other FVTC Program Courses							
620 111	Fluid Power 1		1	EGRT 118	Fluid Control		
620 112	Fluid Power 2		1				
620 131	Electrical Power Dist 1		1	EGRT 1	Elective – Refer to Note 3		
620 132	Electrical Power Dist 2		1	EGRT 1	Elective – Refer to Note 3		
620 164	Elements of Machines 1		1	EGRT 1	Elective – Refer to Note 3		
620 165	Elements of Machines 2		1	EGRT 1	Elective – Refer to Note 3		
628 101	Concepts of Programming		1	EGRT 142	Intro to Programming (3 cr)		
628 181	Visual Basic Program 1		1				
628 182	Visual Basic Program 2		1				
620 188	System Troubleshooting		1	EGRT 1	Elective – Refer to Note 3		
628 159	Operator Interfaces		1	EGRT 1	Elective – Refer to Note 3		
628 176	Enterprise Integration 1		1	EGRT 1	Elective – Refer to Note 3		
628 177	Enterprise Integration 2		1	EGRT 1	Elective – Refer to Note 3		
628 161	Robotics 1		1	EGRT 1	Elective – Refer to Note 3		
628 162	Robotics 2		1	EGRT 1	Elective – Refer to Note 3		
628 113	Electronic Const App		1	EGRT 1	Elective – Refer to Note 3		
	Technical Electives		1	EGRT 1	Elective – Refer to Note 3		
660 181	Tech Software Essentials		0		No degree or transfer credit		
660 184	Computer Systems		0		No degree or transfer credit		
660 185	Comp Sys & Net		0		No degree or transfer credit		
804 113	College Tech Math 1A	Math	0		No degree or transfer credit		
804 133	Math & Logic	Math	0		No degree or transfer credit		
Major Program Transfer Credits			39	Major Program Minimum – 70 credits			40
Total Transfer Credits			51	Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major & 120 credit minimum)			69

Notes:

1. Transfer students with an Associate of Applied Science degree in Automated Manufacturing Systems Technology are not required to complete the EGRT 101 Fundamentals of Engineering Technology course for the Bachelor of Science in Electrical 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. Elective credits may be used to satisfy total credit requirements for the Electrical Engineering Technology major (70 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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