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

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

Effective Date: July 1, 2024 **Next Review Date:** May 1, 2026
☐ New Agreement ☒ Revised Agreement – original agreement signed Jan 2015
– first revision signed July 2017
– second revision signed June 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 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 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 Automated Manufacturing Systems Technology offered at FVTC and the B.S. degree with a major 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:

- 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 Automated Manufacturing Systems Technology; meet the admission requirements for UW Oshkosh; and enroll in the B.S. degree with a major in Electrical 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 Electrical 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 Electrical 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

Anne Stevens 2/19/24
Anne Stevens
Dean of College of Letters & Science Date

Edwin Martini 2/22/24
Edwin Martini
Provost & Vice Chancellor Date

DocuSigned by:
Andrew Leavitt 2/27/2024 | 6:22 AM CST
F27EF42FDDE94F6...
Andrew Leavitt
Chancellor Date

Fox Valley Technical College

Chris Dragosh 02/06/2024
Chris Dragosh (Feb 6, 2024 12:37 CST)
Chris Dragosh
Dean of Manufacturing & Agricultural Tech Date

Jennifer A. Lanter 02/07/2024
Dr. Jennifer Lanter
Vice President for Instructional Services Date

Christopher S. Matheny 02/06/2024
Dr. Chris Matheny
President Date

Appendix A

WTCS Degree Type and Program: **A.A.S. in Automated Manufacturing Systems Technology**
UW System Degree Type and Major: **B.S. with a major in Electrical 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 Automated Manufacturing Systems Technology Transferable Courses/Credits			**UW Oshkosh B.S. with a major in Electrical 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
809 195	Economics	3	ECON 101	General Economics (3 cr)	XS	0
809 199	Psychology of Human Relations	3	PSYCH 8	Psychology Elective (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
628 187 628 188	AutoCAD Fundamentals Blueprint Reading & AutoCAD	1 1	EGR 110	Engineering Graphics (2 cr)		0
			EGR 242	Program for Engineers (3 cr)		3
660 110 660 111 660 114	DC Circuits 1 DC Circuits 2 AC Circuits 1	1 1 1	EGRT 130	Electrical Circuits I (4 cr)	XL	0
660 112	DC Circuits 3 Refer to Note 3 for additional credits	1	EGRT 131	Electrical Circuits II (4 cr)	XL	2
			EGRT 232	Semiconductor Devices (3 cr)		3
660 170 628 151	Ladder Logic & Control PLC 1	1 1	EGRT 240	Logic & Control (3 cr)		0

628 152	PLC 2	1				
			EGRT 246	Electric Power Systems (3 cr)		3
628 153 628 154 628 155	PLC 3 PLC 4 PLC 5	1 1 1	EGRT 260	Automation Controllers (3 cr)		0
Advanced Study Group (all courses required)						
620 148 620 142	Motors & Drives 1 Motors & Drives 2 Refer to Note 4 for additional credit	1 1	EGRT 320	Motors & Drives (4 cr)	XL	1
			EGR 325	Signals & Systems (3 cr)		3
			EGRT 333	Linear Circuits (3 cr)		3
628 171 628 172 628 173	Inst & Process Control 1 Inst & Process Control 2 Inst & Process Control 3	1 1 1	EGRT 342	Measure & Data Acq (3 cr)		0
			EGRT 350	Data Comm & Protocols (3 cr)		3
			EGRT 360	Project Management (3 cr)		3
628 194	Cell Integration	4	EGRT 390	Mechatronics (4 cr)		0
	Refer to Note 5		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 352	Communication Systems (3 cr)		
			EGRT 357	Internet of Things (3 cr)		3
			EGRT 365	Special Topics (3 cr)		
Other FVTC Program Courses						
449 188	Essentials of Manufacturing Safety	1	EGRT 1	Elective – Refer to Note 6		
620 111	Pneumatics 1	1	EGRT 1	Elective – Refer to Note 6		
620 112	Pneumatics 2	1	EGRT 1	Elective – Refer to Note 6		
620 132	Industrial Electrical Applications	1	EGRT 1	Elective – Refer to Note 6		
620 164	Elements of Machines 1	1	EGRT 1	Elective – Refer to Note 6		
620 165	Elements of Machines 2	1	EGRT 1	Elective – Refer to Note 6		
628 101	Concepts of Programming	1	EGRT 1	Elective – Refer to Note 6		
628 181	Visual Basic Programming 1	1	EGRT 1	Elective – Refer to Note 6		
628 182	Visual Basic Programming 2	1	EGRT 1	Elective – Refer to Note 6		
620 188	System Troubleshooting	1	EGRT 1	Elective – Refer to Note 6		
628 113	Electronic Construction Applications	1	EGRT 1	Elective – Refer to Note 6		
628 159	Operator Interfaces	1	EGRT 1	Elective – Refer to Note 6		
628 176	Enterprise Integration 1	1	EGRT 1	Elective – Refer to Note 6		
628 177	Enterprise Integration 2	1	EGRT 1	Elective – Refer to Note 6		
628 161	Robotics 1	1	EGRT 1	Elective – Refer to Note 6		
628 162	Robotics 2	1	EGRT 1	Elective – Refer to Note 6		
628 163	Robotics Integration	1	EGRT 1	Elective – Refer to Note 6		
	Technical Elective	1	EGRT 1	Elective – Refer to Note 6; Refer also to Notes 3 & 4		
660 184	Computer Systems & Networks 1	1	EGRT 1	Elective – Refer to Note 6		
660 185	Computer Systems & Networks 2	1	EGRT 1	Elective – Refer to Note 6		
660 181	Technical Software Essentials	0		No degree or transfer credit		
804 113	College Tech Math 1A	0	MATH 100	No degree or transfer credit – Refer to Note 1		
804 133	Math & Logic	0	ELEC 97	No degree or transfer credit – Refer to Note 1		
Major Program Transfer Credits		**41**	**Major Program Minimum – 66 credits**			**39**
Total Transfer Credits		**53**	**Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major & 120 credit minimum)**			**67**

Format satisfies UW System Guidelines for Articulation Agreements outlined in the UW System Administrative Policy 140

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. For this A.A.S. program UW Oshkosh recommends:
   - In the Mathematics area, take 804 195 College Algebra with Applications and 804 196 Trigonometry with Applications because these transfer as MATH 104 College Algebra and MATH 106 Trigonometry, which are prerequisites for the required calculus courses that are in the Electrical Engineering Technology curriculum.
2. Transfer students with an Associate of Applied Science degree in Automated Manufacturing Systems Technology are not required to complete the EGR 105 Engineering Fundamentals course for the Bachelor of Science degree with a major in Electrical Engineering Technology. Total UW Oshkosh program and degree credit requirements must still be satisfied.
3. Transfer students may complete 605 111 AC Circuits 2 (1 cr) + 605 116 AC Circuits 3 (1 cr) at FVTC to satisfy the EGRT 131 Electrical Circuits II course requirement for the Electrical Engineering Technology major at UW Oshkosh.
4. Transfer students may complete 620 190 Advanced AC/DC Drives (1 cr) at FVTC to satisfy the EGRT 320 Motors & Drives course requirement for the Electrical Engineering Technology major at UW Oshkosh.
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 Electrical Engineering Technology major (66 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