An Articulation Agreement Between:
University of Wisconsin (UW) Oshkosh
Western Technical College (WTC)

WTCS Degree Type and Program: **A.A.S. in Electromechanical 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 31 January 2018

Agreement Description and Rationale:
This articulation agreement is being established in order to expand educational opportunities for students enrolled in engineering technology programs in Wisconsin. Students enrolling at any higher educational institution in 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 Electromechanical Technology offered at WTC 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
- Western Technical College: The Higher Learning Commission

Here follows the curriculum agreed upon in this Articulation between UW Oshkosh and Western Technical College:

Admission Requirements/Conditions Specific to this Agreement:
Admission requirements are identical to those required for general admission to UW Oshkosh.

Articulation Transfer Agreement Terms:
The terms of this agreement apply to Western Technical College students who successfully complete the A.A.S. degree in Electromechanical Technology; meet the admission requirements set forth below for UW Oshkosh; and enroll in the B.S. degree with a major in Electrical Engineering Technology. The terms of this agreement apply only to the B.S. degree with a major in Electrical Engineering Technology — students who change majors will have their transfer credits reevaluated as prescribed by their new major.

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 Western 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 Western 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

Colleen McDermott
Dean of College of Letters & Science Date

John Koker
Provost & Vice Chancellor Date

Andrew Leavitt
Chancellor Date

Western Technical College

Joshua Gamer
Dean Date

Kathleen Linaker
Academic Vice President Date

Roger Stanford
President Date

Appendix A
University of Wisconsin (UW) Oshkosh

WTCS Degree Type and Program: **A.A.S. in Electromechanical 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:

Western Technical College A.A.S. in Electromechanical 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.
801 136	English Composition 1	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
809 198	Intro to Psychology	Soc Sci	3	PSCH 101	General Psychology	XS	0
					History Course (3 cr)	XS	3
					Ethnic Studies Course (3 cr)	XS, ES	3
					Global Citizen Course (3 cr)	XC, GC	3
					English Literature (3 cr)	XC	3
					Humanities Course (3 cr)	XC	3
					Humanities Course (3 cr)	XC	3
				ENGL 312	Advanced Composition (3 cr)	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
806 154	General Physics 1	Nat Sci	4	PHYS 171	General Physics I (5 cr)	XL, NS	0
Fundamentals Group (all courses required)							
620 130	Intro Electromech Tech		2	EGRT 101	Fund of Eng Technology (2 cr)		0
606 163	AutoCAD Level 1		2	EGRT 105	Fund of Drawing (3 cr)		0
660 117 660 118	DC Circuit Analysis AC Circuit Analysis		2 2	EGRT 130	Electrical Circuits I (4 cr)	XL, NS	0
				EGRT 131	Electrical Circuits II (4 cr)	XL, NS	4
				CSCI 216	C++ (4 cr)		4
660 123	Industrial Elec Devices		2	EGRT 232	Semiconductor Devices (3 cr)		0
620 153 620 158	Basic PLC Programming PLC Applications		2 2	EGRT 240	Logic & Control Devices (3 cr)		0
				EGRT 246	Electric Power Systems (3 cr)		3
620 139 620 164	Adv PLC Programming Automation Systems Int		2 2	EGRT 260	Automation Controllers (3 cr)		0

Advanced Study Group (all courses required)							
620 135 620 120	Basic Industrial Controls Motors & Drives		2 2	EGRT 320	Motors & Drives (4 cr)		0
				EGRT 325	Signals & Systems (3 cr)		3
				EGRT 333	Linear Circuits (3 cr)		3
620 159	Process Control Systems		3	EGRT 342	Measure, Control & Data (3 cr)		0
				EGRT 350	Data Comm & Protocols (3 cr)		3
				EGRT 360	Eng Project Management (3 cr)		3
620 154	Integration Capstone		4	EGRT 390	Mechatronics (4 cr)		0
	Refer to Note 1			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 WTC Program Courses							
420 105	Machining Maintenance		3	EGRT 1	Elective – Refer to Note 2		
442 109	Welding Maintenance		3	EGRT 1	Elective – Refer to Note 2		
620 112	Fluid Power Fund		2	EGRT 118	Fluid Control		
620 144	Mechanical Drives		2	EGRT 1	Elective – Refer to Note 2		
620 100	Pumps & Gear Boxes		2	EGRT 1	Elective – Refer to Note 2		
620 165	Robot Maintenance		2	EGRT 1	Elective – Refer to Note 2		
620 141	Industrial Networking		2	EGRT 1	Elective – Refer to Note 2		
620 114	Siemens Control Systems		2	EGRT 1	Elective – Refer to Note 2		
804 113	College Tech Math 1A	Math	0		No degree or transfer credit		
Major Program Transfer Credits			**51**	**Major Program Minimum – 70 credits**			**33**
Total Transfer Credits			**63**	**Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major & 120 credit minimum)**			**57**

Notes:

1. A UW Oshkosh faculty member will serve as the advisor for the Internship or Capstone Project requirement.
2. 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:

Dennis Rioux, Coordinator
University of Wisconsin Oshkosh
Department of Engineering Technology
rioux@uwosh.edu 920 424 4429