An Articulation Agreement Between:
University of Wisconsin (UW) Oshkosh
Lakeshore Technical College (LTC)

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
☐ New Agreement

Next Review Date: May 1, 2021
☒ Revised Agreement – original agreement signed 12 Feb 2016
– first revision signed

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 courses in residence at UW Oshkosh in addition to the 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 LTC 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
- Lakeshore Technical College: The Higher Learning Commission

Here follows the curriculum agreed upon in this Articulation between UW Oshkosh and Lakeshore 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 Lakeshore 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. The terms of this agreement apply only to the B.S. degree with a major in Mechanical 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 Mechanical Engineering Technology at UW Oshkosh; course/credit requirements fulfilled at Lakeshore 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.
- 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 Lakeshore 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

9/23/19
Colleen McDermott — Date
Dean of College of Letters & Science

9/24/19
John Koker — Date
Provost & Vice Chancellor

9/25/19
Andrew Leavitt — Date
Chancellor

Lakeshore Technical College

10/9/19
Sheila Schetter — Date
Dean, Adv Manufacturing, Ag, Auto and Eng.

Jim Lemerond (Oct 9, 2019) 10/09/19
James Lemerond — Date
Vice-President of Instruction

Paul Carlsen (Oct 9, 2019) 10/09/19
Dr. Paul Carlsen — Date
President

BR

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

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Additional coursework completed at Lakeshore 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/).

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Appendix A
University of Wisconsin (UW) Oshkosh

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

☐ Table accompanies new agreement ☒ Revised table for existing agreement

Transfer Course/Credit Articulation Table:

Lakeshore 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**			
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
809 196	Intro to Sociology	Soc Sci	3	SOC 101	Intro to Sociology (3 cr)	XS, ES	0
809 198	Intro to Psychology	Soc Sci	3	PSCH 101	General Psychology (3 cr)	XS	0
					History Course (3 cr)	XS	3
					Social Science Course (3 cr)	XS	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 I	Nat Sci	4	PHYS 171	General Physics I (5 cr)	XL, NS	0
Fundamentals Group (all courses required)							
	Waived – Refer to Note 1			EGRT 101	Fund of Eng Technology (2 cr)		0
606 101 606 103	Basic Mechanical Draft Intermediate Mech Draft		2 2	EGRT 105	Fund of Drawing (3 cr)		0
606 160	Manufacturing Processes		3	EGRT 116	Basic Manufacturing (3 cr)		0
				EGRT 118	Fluid Control (3 cr)		2
				EGRT 130	Electrical Circuits I (3 cr)	XL, NS	4
606 140	Parametric Modeling		3	EGRT 207	Parametric Modeling (3 cr)		0
606 117	Machine Elements		3	EGRT 221	Machine Components (3 cr)		0
	Refer to Note 3			EGR 201	Engineering Statics (3 cr)		0
				EGR 202	Engineering Dynamics (3 cr)		3
	Refer to Note 3			EGR 203	Mechanics of Materials (4 cr)		4
Advanced Study Group (all courses required)							

				EGRT 320	Motors & Drives (4 cr)	NS	4
606 125	Design Problems		3	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) **or** Capstone Project (3 cr)		1
Advanced Elective (3 cr required)							
				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)		
Other LTC Program Courses							
606 134 606 130	Statics Strength of Materials		4 4	EGRT 1	Elective credit eligible for conversion to equivalent courses – Refer to Note 3		
444 104	HSM for Solidworks		1	EGRT 1	Elective – Refer to Note 4		
606 105	Intro to Work Drawings		3	EGRT 1	Elective – Refer to Note 4		
606 106	Geometric Dim & Tol		3	EGRT 1	Elective – Refer to Note 4		
606 112	Tool Design Basic		3	EGRT 1	Elective – Refer to Note 4		
606 118	Kinematics		3	EGRT 1	Elective – Refer to Note 4		
606 189	Current Manuf Trends		2	EGRT 1	Elective – Refer to Note 4		
606 191	Parametric Drafting		2	EGRT 1	Elective – Refer to Note 4		
606 193	Working Drawings		2	EGRT 1	Elective – Refer to Note 4		
606 196	Working Drawings		3	EGRT 1	Elective – Refer to Note 4		
620 169	Mech Robot Maintenance		1	EGRT 1	Elective – Refer to Note 4		
804 115	College Tech Math 1A	Math	0		No degree or transfer credit		
Major Program Transfer Credits			**51**	**Major Program Minimum – 72 credits**			**43**
Total Transfer Credits			**63**	**Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major & 120 credit minimum)**			**64**

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. 606 134 Statics (4 cr) AND 606 130 Strength of Materials (4 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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