

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

**WTCS Degree Type and Program:** A.A.S. in Computer Engineering 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 Computer Engineering 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 Computer Engineering 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

Western Technical College

\_\_\_\_\_  
Colleen McDermott  
Dean of College of Letters & Science                  Date

\_\_\_\_\_  
Joshua Gamer  
Dean    Date

\_\_\_\_\_  
John Koker  
Provost & Vice Chancellor                  Date

\_\_\_\_\_  
Kathleen Linaker  
Academic Vice President                  Date

\_\_\_\_\_  
Andrew Leavitt  
Chancellor    Date

\_\_\_\_\_  
Roger Stanford  
President    Date

**Appendix A**  
**University of Wisconsin (UW) Oshkosh**

**WTCS Degree Type and Program:** A.A.S in Computer Engineering 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 Computer Engineering Technology Transferable Courses/Credits				UW Oshkosh B.S. with a major in Electrical Engineering Technology All Program Course Requirements			
<b>Table 1: General Education / Breadth Requirements*</b>							
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
				COM 111	Intro to Public Speaking (3 cr)	COMM	3
809 196	Intro to Sociology	Soc Sci	3	SOC 101	Intro 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
801 197	Technical Reporting	Comm	3	ENGL 317	Technical Writing	elective	
<b>General Education Transfer Credits</b>			<b>12</b>	<b>General Education Total – 55-58 credits (includes gen ed credits from Table 2)</b>			<b>24</b>

\*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/>).

<b>Table 2: Major Program Requirements</b>							
Course	Title	Gen Ed Area	Xfr Cr.	Course	Title	Gen Ed Area	Req Cr.
<b>Support Group (all courses required)</b>							
				MATH 161	Technical Calc I (3 cr) <b>or</b>	XM	3 <b>or</b>
				MATH 171	Calculus I (5 cr)		5
				MATH 162	Technical Calc II (3 cr) <b>or</b>	NS	3 <b>or</b>
				MATH 172	Calculus II (4 cr)		4
806 154	General Physics 1	Nat Sci	4	PHYS 171	General Physics I (5 cr)	XL, NS	0
<b>Fundamentals Group (all courses required)</b>							
	Waived – Refer to Note 1			EGRT 101	Fund of Eng Technology (2 cr)		0
606 184	Solidworks		2	EGRT 105	Fund of Drawing (3 cr)		0
660 115	DC/AC 1		3	EGRT 130	Electrical Circuits I (4 cr)	XL, NS	0
660 116	DC/AC 2		3	EGRT 131	Electrical Circuits II (4 cr)	XL, NS	0
				CSCI 216	C++ (4 cr)		4
660 125	Electronic Devices		4	EGRT 232	Semiconductor Devices (3 cr)		0
				EGRT 240	Logic & Control Devices (3 cr)		3
				EGRT 246	Electric Power Systems (3 cr)		3
				EGRT 260	Automation Controllers (3 cr)		3
<b>Advanced Study Group (all courses required)</b>							
				EGRT 320	Motors & Drives (4 cr)		4

				EGRT 325	Signals & Systems (3 cr)		3
				EGRT 333	Linear Circuits (3 cr)		3
662 134	Embedded Systems		4	EGRT 342	Measure, Control & Data (3 cr)		0
				EGRT 350	Data Comm & Protocols (3 cr)		3
				EGRT 360	Eng Project Management (3 cr)		3
663 170	Electronics Project		3	EGRT 390	Mechatronics (4 cr)		0
	Refer to Note 2			EGRT 400	Internship (1-3 cr) <b>or</b>		1
				EGRT 410	Capstone Project (3 cr)		
<b><i>Advanced Elective (3 cr required)</i></b>							
				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)		
<b><i>Other WTC Program Courses</i></b>							
152 153	Intro to Java		3	EGRT 142	Intro to Programming		
662 137	Digital Electronics		4	EGRT 1	Elective – Refer to Note 3		
662 140	Data Comm & Network		3	EGRT 1	Elective – Refer to Note 3		
662 138	Comm Systems		3	EGRT 1	Elective – Refer to Note 3		
662 153	Intro to LabVIEW		2	EGRT 1	Elective – Refer to Note 3		
152 155	Java 2		0		No degree or transfer credit		
804 113	College Tech Math 1A	Math	0		No degree or transfer credit		
804 114	College Tech Math 1B	Math	0		No degree or transfer credit		
804 116	College Tech Math 2	Math	0		No degree or transfer credit		
<b>Major Program Transfer Credits</b>			<b>38</b>	<b>Major Program Minimum – 70 credits</b>			<b>39</b>
<b>Total Transfer Credits</b>			<b>50</b>	<b>Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major &amp; 120 credit minimum)</b>			<b>70</b>

**Notes:**

1. Transfer students with an Associate of Applied Science degree in Computer Engineering 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:

Dennis Rioux, Coordinator  
 University of Wisconsin Oshkosh  
 Department of Engineering Technology  
[rioux@uwosh.edu](mailto:rioux@uwosh.edu) 920 424 4429