

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

WTCS Degree Type and Program: A.A.S. in Automation 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 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 Automation Systems 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 Automation Systems 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.

Appendix A
University of Wisconsin (UW) Oshkosh

WTCS Degree Type and Program: A.A.S. in Automation 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:

| Western Technical College A.A.S. in Automation 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. |
| 801 136 | 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 | DC Circuit Analysis | | 2 | EGRT 130 | Electrical Circuits I (4 cr) | XL, NS | 0 |
| 660 118 | AC Circuit Analysis | | 2 | | | | |
| | | | | 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 | Basic PLC Programming | | 2 | EGRT 240 | Logic & Control Devices (3 cr) | | 0 |
| 620 158 | PLC Applications | | 2 | | | | |
| | | | | EGRT 246 | Electric Power Systems (3 cr) | | 3 |
| 620 139 | Adv PLC Programming | | 2 | EGRT 260 | Automation Controllers (3 cr) | | 0 |
| 620 164 | Automation Systems Int | | 2 | | | | |

| <i>Advanced Study Group (all courses required)</i> | | | | | | | |
|--|---------------------------|------|-----------|--|--------------------------------|--|-----------|
| 620 135 | Basic Industrial Controls | | 2 | EGRT 320 | Motors & Drives (4 cr) | | 0 |
| 620 120 | Motors & Drives | | 2 | | | | |
| | | | | 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 | Internship (1-3 cr) or | | 1 |
| | | | | EGRT 410 | Capstone Project (3 cr) | | |
| <i>Advanced Elective (3 cr required)</i> | | | | | | | |
| | | | | 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) | | |
| <i>Other WTC Program Courses</i> | | | | | | | |
| 620 165 | Robot Maintenance | | 2 | EGRT 1 | Elective – Refer to Note 2 | | |
| 664 100 | Basic Robot Program | | 2 | EGRT 1 | Elective – Refer to Note 2 | | |
| 664 101 | HMI/SCADA | | 2 | EGRT 1 | Elective – Refer to Note 2 | | |
| 664 103 | Safety Circuits | | 2 | EGRT 1 | Elective – Refer to Note 2 | | |
| 664 106 | Rapid Prototyping | | 2 | EGRT 1 | Elective – Refer to Note 2 | | |
| 664 105 | Adv Robot Program | | 2 | EGRT 1 | Elective – Refer to Note 2 | | |
| 664 106 | Mechatronics Intern | | 1 | 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 | | | 50 | Major Program Minimum – 70 credits | | | 33 |
| Total Transfer Credits | | | 62 | Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major & 120 credit minimum) | | | 58 |

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:

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