

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

WTCS Degree Type and Program: A.A.S. in Electro-Mechanical 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 Electro-Mechanical 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 Electro-Mechanical 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

Fox Valley Technical College

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

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

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

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

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

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

Appendix A

WTCS Degree Type and Program: A.A.S. in Electro-Mechanical 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 Electro-Mechanical 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 | AutoCAD Fundamentals | 1 | EGR 110 | Engineering Graphics (2 cr) | | 0 |
| 628 188 | Blueprint & AutoCAD | 1 | | | | |
| | | | EGR 242 | Program for Engineers (3 cr) | | 3 |
| 660 110 | DC Circuits 1 | 1 | EGRT 130 | Electrical Circuits I (4 cr) | XL | 0 |
| 660 111 | DC Circuits 2 | 1 | | | | |
| 660 114 | AC Circuits 1 | 1 | | | | |
| 660 112 | DC Circuits 3 Refer to Note 3 for additional credits | 1 | EGRT 131 | Electrical Circuits II (4 cr) | XL | 2 |
| 660 128 | Semiconductors 1 | 1 | EGRT 232 | Semiconductor Devices (3 cr) | | 1 |
| 660 129 | Semiconductors 2 Refer to Note 4 for additional credit | 1 | | | | |
| 660 170 | Ladder Logic & Control | 1 | EGRT 240 | Logic & Control (3 cr) | | 0 |
| 628 151 | PLC 1 | 1 | | | | |

| | | | | | | |
|--|--------------------------------------|-----------|--|--|----|-----------|
| 628 152 | PLC 2 | 1 | | | | |
| | | | EGRT 246 | Electric Power Systems (3 cr) | | 3 |
| 628 153 | PLC 3 | 1 | EGRT 260 | Automation Controllers (3 cr) | | 0 |
| 628 154 | PLC 4 | 1 | | | | |
| 628 155 | PLC 5 | 1 | | | | |
| Advanced Study Group (all courses required) | | | | | | |
| 620 148 | Motors & Drives 1 | 1 | EGRT 320 | Motors & Drives (4 cr) | XL | 0 |
| 620 142 | Motors & Drives 2 | 1 | | | | |
| 620 190 | Adv AC/DC Drives | 1 | | | | |
| | | | EGR 325 | Signals & Systems (3 cr) | | 3 |
| | | | EGRT 333 | Linear Circuits (3 cr) | | 3 |
| 628 171 | Inst & Process Control 1 | 1 | EGRT 342 | Measure & Data Acq (3 cr) | | 0 |
| 628 172 | Inst & Process Control 2 | 1 | | | | |
| 628 173 | Inst & Process Control 3 | 1 | | | | |
| | | | EGRT 350 | Data Comm & Protocols (3 cr) | | 3 |
| | | | EGRT 360 | Project Management (3 cr) | | 3 |
| | | | EGRT 390 | Mechatronics (4 cr) | | 4 |
| | 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 118 | Fluid Control | | |
| 620 112 | Pneumatics 2 | 1 | | | | |
| 620 113 | Hydraulics 1 | 1 | | | | |
| 620 114 | Hydraulics 2 | 1 | | | | |
| 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 | | |
| 620 187 | Sensors | 1 | EGRT 1 | Elective – Refer to Note 6 | | |
| 620 188 | System Troubleshooting | 1 | EGRT 1 | Elective – Refer to Note 6 | | |
| 620 189 | Electromechanical Systems 1 | 1 | EGRT 1 | Elective – Refer to Note 6 | | |
| 620 192 | Advanced PLCs 1 | 1 | EGRT 1 | Elective – Refer to Note 6 | | |
| 620 193 | Advanced PLCs 2 | 1 | EGRT 1 | Elective – Refer to Note 6 | | |
| 628 101 | Concepts of Programming | 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 | | |
| 628 161 | Robotics 1 | 1 | EGRT 1 | Elective – Refer to Note 6 | | |
| 628 162 | Robotics 2 | 1 | EGRT 1 | Elective – Refer to Note 6 | | |
| | Technical Elective | 2 | 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 | | | 40 |
| Total Transfer Credits | | 53 | Minimum Additional Credits to B.S. Degree (to satisfy gen ed, major & 120 credit minimum) | | | 67 |

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 Electro-Mechanical 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 605 125 Semiconductors 3 (1 cr) at FVTC to satisfy the EGRT 232 Semiconductor Devices 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:

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