

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 | | | |
|--|-----------------------|-------------|---------|---|---------------------------------|-------------|---------|
| Table 1: General Education / Breadth Requirements* | | | | | | | |
| Course | Title | Gen Ed Area | Xfr Cr. | Course | Title | Gen Ed Area | Req Cr. |
| 801 136 | English Composition I | 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 | |
| General Education Transfer Credits | | | 12 | General Education Total – 55-58 credits (includes gen ed credits from Table 2) | | | 24 |

*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 | Technical Calc I (3 cr) or | XM | 3 or |
| | | | | MATH 171 | Calculus I (5 cr) | | 5 |
| | | | | MATH 162 | Technical Calc II (3 cr) or | NS | 3 or |
| | | | | MATH 172 | Calculus II (4 cr) | | 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 |
| 606 184 | Solidworks | | 2 | EGRT 105 | Fund of Drawing (3 cr) | | 0 |
| 660 115 | DC/AC I | | 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 |
| Advanced Study Group (all courses required) | | | | | | | |
| | | | | 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 |
| 662 170 | Electronics Project | | 3 | EGRT 390 | Mechatronics (4 cr) | | 0 |
| | Refer to Note 2 | | | EGRT 400 | Internship (1-3 cr) or | | 1 |
| | | | | EGRT 410 | Capstone Project (3 cr) | | |
| 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 | | | | | | | |
| 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 | | |
| | | | Major Program Transfer Credits | 38 | Major Program Minimum – 70 credits | | 39 |
| | | | Total Transfer Credits | 50 | Minimum Additional Credits to B.S. Degree | | 70 |
| | | | | | (to satisfy gen ed, major & 120 credit minimum) | | |

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:

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