



## AAS, Electrical/Electronic Engineering Technology, Bio-Medical Engineering Concentration to BS, Engineering Technology, Integrated Engineering Technology Concentration

B.S. in Engineering Technology is offered through the Tuscarawas Campus\*

| Course Subject and Title   | Credit Hours | Upper Division | Notes on Transfer Coursework to Kent State |
|--|--------------|----------------|--|
| <b>Semester One: [12 Credit Hours] Cuyahoga Community College</b>                            |              |                |  |
| EET-1161 Direct Current Circuits   | 3            |                | EERT 12000 (Applied Elective)              |
| EET-1180 Surface Mount Soldering   | 1            |                | ENGR 1X000 (Applied Elective)              |
| MET-1100 Technology Orientation  | 2            |                | ENGR 1X000 (Applied Elective)              |
| COMM-1000 Fundamentals of Interpersonal Communication  | 3            |                | COMM 20001                                 |
| ENG-1010 College Composition I<br>Or ENG-101H Honors College Composition I                   | 3            |                | ENG 11011 (KCP1)                           |
| <b>Semester Two: [17 Credit Hours] Cuyahoga Community College</b>                            |              |                |  |
| BIO-1050 Human Biology   | 3            |                | BSCI 10001 (KBS)                           |
| BIO-105L Human Biology Laboratory  | 1            |                | BSCI 10003 (KBS, KLAB)                     |
| EET-1210 AC Electric Circuits  | 3            |                | EERT 12001 (Applied Elective)              |
| EET-1241 Digital Fundamentals  | 3            |                | EERT 22004 (Applied Elective)              |
| ENG-1020 College Composition II<br>or ENG-2151 Technical Writing                             | 3            |                | ENG 21011 (KCP2)<br>or ENG 20002 (KCP2)    |
| MATH-1530 College Algebra<br>or MATH-153H Honors College Algebra                             | 4            |                | MATH 11010 (KMCR)                          |
| <b>Semester Three: [15 Credit Hours] Cuyahoga Community College</b>                          |              |                |  |
| EET-2112 Industrial Electronics  | 3            |                | ENGT 2X000                                 |
| EET-2120 Electronics I   | 3            |                | EERT 12010 + EERT 22011 (Applied Elective) |
| EET-2170 Signal Analysis   | 3            |                | EERT 2X000 (Applied Elective)              |
| EET-2400 Biomedical Instrumentation I  | 3            |                | EERT 2X000 (Applied Elective)              |
| MATH-1540 Trigonometry<br>or MATH-154H Honors Trigonometry                                   | 3            |                | MATH 11022 (KMCR)                          |
| <b>Semester Four: [18 Credit Hours] Cuyahoga Community College</b>                           |              |                |  |
| EET-2220 Electronics II  | 3            |                | EERT 22011 (Applied Elective)              |
| EET-2410 Biomedical Instrumentation II   | 3            |                | EERT 2X000 (Applied Elective)              |
| EET-2490 Biomedical Design Project   | 2            |                | ENGT 23099 (Applied Elective)              |
| PHYS-1210 College Physics I  | 4            |                | PHY 13001 + PHY 13021 (KBS, KLAB)          |
| ITNT-2300 Networking Fundamentals  | 3            |                | CS 35201                                   |
| PHIL-2020 Ethics<br>or PHIL-202H Honors Ethics   | 3            |                | PHIL 21001 (KHUM, DIVG)                    |
| <b>Summer [3 Credit Hours] Cuyahoga Community College</b>                                    |              |                |  |
| EET-2901 Clinical Internship   | 3            | ■              | ENGT 43092 (Concentration Elective)        |
| <b>65 Total Credit Hours to Graduate with the AAS Degree from Cuyahoga Community College</b> |              |                |  |

Course sequence may change based on the individual needs of the student and schedule type required.

New college students may be required during their first semester to participate in GEN 1070, First Year Success Seminar, a one credit hour course. See a Tri-C Counselor for details.

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|--|--------------|----------------|--|
| <b>Semester Five: [13 Credit Hours] Kent State University</b>  |              |                |  |
| EERT 32003 Technical Computing   | 3            | ■              |  |
| OTEC 26636 Project Management for Administrative Professionals   | 1            |                |  |
| ENGT 42003 Lean Manufacturing, Six Sigma and Operations Technology   | 3            | ■              |  |
| Concentration Electives  | 3            | ■              |  |
| <b>Semester Six: [15 Credit Hours] Kent State University</b>   |              |                |  |
| ENGR 36620 Project Management in Engineering and Technology  | 3            | ■              |  |
| MATH 11012 Intuitive Calculus (KMCR)   | 3            |                | @MATH-1480                                 |
| ENGT 43363 Materials Science and Technology  | 3            | ■              |  |
| ENGT 32006 Economic Decision Analysis  | 3            | ■              | @MET-2422                                  |
| Concentration Elective   | 3            | ■              |  |
| <b>Semester Seven: [12 Credit Hours] Kent State University</b>   |              |                |  |
| ENGR 33700 Quality Techniques  | 3            | ■              |  |
| ECON 22060 Principles of Microeconomics (KSS)  | 3            |                | @ECON-2000                                 |
| ENGR 31010 Engineering and Professional Ethics   | 3            | ■              |  |
| Kent Core Requirement (KHUM/KFA)**   | 3            |                | @  |
| <b>Semester Eight: [15 Credit Hours] Kent State University</b>   |              |                |  |
| ENGR 31000 Cultural Dynamics Technology (DIVD) (WIC)*** or ENGR 33092 Cooperative Education - Professional Development (ELR) (WIC) | 3            | ■              |  |
| ENGT 43099 Engineering Technology Capstone (ELR)   | 3            | ■              |  |
| ENGR 43080 Industrial and Environmental Safety   | 3            | ■              |  |
| Kent Core Requirement (KHUM/KFA)**   | 3            |                | @  |
| Kent Core Requirement (KSS – Not ECON)   | 3            |                | @  |
| <b>120 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University</b>                   |              |                |  |

@ Course may be taken at Cuyahoga Community College and transferred to Kent State. However, please be aware of [Kent State's residence policy](#). Once an associate degree is earned, additional courses taken at Tri-C may not be eligible for financial aid. Please see Financial Aid for details.

\* Technical classes for the BS degree can be completed online. For more information, [contact the Engineering Technology department](#).

\*\* Minimum one course must be selected from the Humanities in Arts and Sciences (KHUM) area, and minimum one course must be selected from the Fine Arts (KFA) area.

\*\*\* Students should complete ENGR 31000 if Domestic Diversity (DIVD) requirement has not been completed.

## **Graduation Requirements**

Requirements to graduate with the BS degree program: To graduate, students must have minimum 120 credit hours, 39 upper-division credit hours of coursework, a minimum 2.000 major GPA and minimum 2.000 cumulative GPA. They must also fulfill an approved experiential learning experience, a two-course diversity requirement (domestic and global), complete a writing intensive course with a minimum C (2.000) grade. More specific graduation requirement information can be found in the Academic Policies section of the Kent State University Catalog ([www.kent.edu/catalog](http://www.kent.edu/catalog)).

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It is recommended that students intending to pursue the Bachelor of Science degree in Engineering Technology, Integrated Engineering Technology through Kent State University consult with academic advisors at both Cuyahoga Community College and Kent State University.

## **Contact Information:**

Cuyahoga Community College  
Campus Counseling Center  
[www.tri-c.edu/counseling-center](http://www.tri-c.edu/counseling-center)

**Kent State University**  
Academic Partnerships  
[pathways@kent.edu](mailto:pathways@kent.edu)

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