



# AAS, ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY 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: [14 Credit Hours] Cuyahoga Community College</b>			
EET 1161 Direct Current Circuits	3		EERT 12000 Circuits I (Applied Elective)
EET 1180 Surface Mount Soldering	1		ENGR 1X000 (Applied Elective)
EET 1190 Printed Circuit Layout	2		EERT 1X000 (Applied Elective)
MET 1100 Technology Orientation	2		ENGR 1X000 (Applied Elective)
COMM 1000 Fundamentals of Interpersonal Communication	3		COMM 20001 Interpersonal Communication (KADL)
ENG 1010 College Composition I Or ENG 101H Honors College Composition I	3		ENG 11011 College Writing I (KCP1)
<b>Semester Two: [16 Credit Hours] Cuyahoga Community College</b>			
EET 1210 AC Electric Circuits	3		EERT 12001 Electric Circuits II (Applied Elective)
EET 1241 Digital Fundamentals	3		EERT 22004 Digital Systems (Applied Elective)
MATH 1530 College Algebra Or MATH 153H Honors College Algebra	3		MATH 11010 Algebra for Calculus (KMCR)
PHIL 2020 Ethics Or PHIL 202H Honors Ethics	4		PHIL 21001 Introduction to Ethics (KHUM) (DIVG)
ENG 2151 Technical Writing	3		ENG 20002 Introduction to Technical Writing (KCP2)
<b>Semester Three: [15 Credit Hours] Cuyahoga Community College</b>			
EET 2112 Industrial Electronics	3		ENGT 2X000
EET 2120 Electronics I	3		EERT 12010 Intro to Electronics (Applied Elective)
EET 2170 Signal Analysis	3		EERT 2X000 (Applied Elective)
EET 2242 C and ASM Programming with Embedded Applications	3		EERT 22014 Microprocessors and Robotics (Applied Elective)
MATH 1540 Trigonometry Or MATH 154H Honors Trigonometry	3		MATH 11022 Trigonometry (KMCR)
<b>Semester Four: [18 Credit Hours] Cuyahoga Community College</b>			
EET 2220 Electronics II	3		EERT 22011 Electronic Systems (Applied Elective)
EET 2290 Electrical Design Project	2		ENGT 22009 Engineering Technology Project (Applied Elective)
EET 2500 Instrumentation and Control	3	■	EERT 32005 Instrumentation (Conc. Elective)
ITNT 2300 Networking Fundamentals	3		IT 2X000
PHYS 1210 College Physics I	4		PHY 13001 General College Physics I and PHY 13021 General College Physics Laboratory I (KBS, KLAB)
EET 2520 Programmable Logic Controllers	3	■	ENGT 33000 Introduction to Programmable Logic Controllers (Conc. Elect)
<b>63 Total Credit Hours to Graduate with the AAS Degree from Cuyahoga Community College</b>			

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
<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	■	
Kent Core Basic Science Requirement (KBS)	3		@
Kent Core Requirement (KHUM/KFA)**	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
ENGR 33363 Materials Science and Technology	3	■	
ENGT 32006 Economic Decision Analysis	3	■	
Concentration Elective (30000 or 40000 level)	3	■	
<b>Semester Seven: [15 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		@
General Elective	3		
<b>Semester Eight: [15 Credit Hours] Kent State University</b>			
ENGR 31000 Cultural Dynamics Technology (DIVD) (WIC)*** Or ENGR 33092 Cooperative Education (ELR) (WIC)	3	■	
ENGR 43080 Industrial and Environmental Safety	3	■	
TAS 47999 Technical and Applied Studies Capstone (ELR)	3	■	
Kent Core Requirement (KSS – Not ECON)	3		@
General Elective	3		(If needed to reach 120 total credit hours)
<b>121 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.

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 2.0 major GPA and minimum 2.00 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:**

#### **Kent State University**

Academic Partnerships  
Enrollment Management Operations & Administration  
330-672-7341  
[pathways@kent.edu](mailto:pathways@kent.edu)

#### **Cuyahoga Community College**

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

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