COLUMBUS STATE COMMUNITY COLLEGE

KENT STATE UNIVERSITY | TUSCARAWAS

ASSOCIATE OF APPLIED SCIENCE ELECTRO-MECHANICAL ENGINEERING TECHNOLOGY TO BACHELOR OF SCIENCE DEGREE IN ENGINEERING TECHNOLOGY, INTEGRATED ENGINEERING TECHNOLOGY

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
Semester One: [14 Credit Hours] Columbus State Community College			
COLS 1100 First Year Experience Seminar	1		TRAN 1X000
ENGL 1100 Composition I	3		ENG 11011 College Writing I (KCP1)
ITST 1101 IT Fundamentals +	2		IT 1X000
MATH 1148 College Algebra	4		MATH 11010 Algebra for Calculus (KMCR)
EMEC 1250 Motors and Control Logic	4		ENGT 2X000
Semester Two: [18 Credit Hours] Columbus State Community College			
EET 1105 Basic DC Electronic Systems	3		EERT 12000 Electric Circuits I (Applied Elective)
EET 1115 Basic Digital Systems	3		EERT 22004 Digital Systems (Applied Elective)
ENGT 1115 Engineering Graphics	3		MERT 12000 Engineering Drawing (Applied Elective)
PHYS 1200 Introductory Algebra-Based Physics I	5		PHY 13001 General College Physics I and PHY 13021 General College Physics Laboratory I (KBS, KLAB)
EMEC 1251 Control Logic and PLC's I	4	■	ENGR 33031 Programmable Logic Controllers (Concentration Elective)
Semester Three: [18 Credit Hours] Columbus State Community College			
EET 1125 Basic AC Electronic Systems	3		EERT 12001 Electric Circuits II (Applied Elective)
EET 2235 Data Acquisition Systems	3		EERT 2X000 (Applied Elective)
MECH 1145 CAD I	3		MERT 12001 Computer Aided Design (Applied Elective)
MECH 1240 Machine Tools	3		MERT 12004 Manufacturing Process (Applied Elective)
MECH 2243 Robotics	2		ENGT 2X000 (Applied Elective)
EMEC 1252 Control Logic and PLC's II	4		EERT 2X000 (Applied Elective)
Semester Four: [15 Credit Hours] Columbus State Community College			
COMM 2204 Technical Writing	3		ENG 20002 Introduction to Technical Writing
MECH 1150 Manufacturing Materials & Processes	3		MERT 12005 Properties of Materials (Applied Elective)
ENGT 2260 Basic Mechanisms and Drives	4	■	MERT 32004 Machine Design (Concentration Elective)
ITST 1102 Industrial Network Communications Or SKTR 1180 Welding: Introduction to Stick	2		IT 1X000 MERT 2X000
ECON 2200 Principles of Microeconomics *(SBS GE-Social/Behavioral Sciences Requirement)*	3		ECON 22060 Principles of Microeconomics (KSS)
65 Total Credit Hours to Graduate with the AAS Degree from Columbus State Community College			

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
Semester Five: [13 Credit Hours] Kent State University			
EERT 32003 Technical Computing	3	■	
OTEC 26636 Project Management for Administrative Professionals	1		
ENGT 42003 Lean Manufacturing, Six Sigma and Operations Technology	3	■	
ENG 21011 College Writing II (KCP2)	3		@
MATH 11022 Trigonometry (KMCR)	3		@MATH 1149
Semester Six: [15 Credit Hours] Kent State University			
ENGR 36620 Project Management in Engineering and Technology	3	■	
MATH 11012 Intuitive Calculus (KMCR)	3		@MATH 1131
ENGR 33363 Materials Science and Technology	3	■	
Kent Core Basic Science Requirement (KBS)	3		@
ENGT 32006 Economic Decision Analysis	3	■	
Semester Seven: [15 Credit Hours] Kent State University			
ENGR 33700 Quality Techniques	3	■	
ENGR 31010 Engineering and Professional Ethics	3	■	
Kent Core Humanities and Fine Arts (KHUM/KFA)**	3		@
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Concentration Elective (30000 or 40000 level)	3	■	
Semester Eight: [15 Credit Hours] Kent State University			
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 Humanities and Fine Arts (KHUM/KFA)**	3		@
Kent Core Requirement (KSS- Not ECON)	3		@
123 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University			

@ Course may be taken at Columbus State College and transferred to Kent State. However, please be aware of Kent State's residence policy.

* 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 must successfully complete one domestic diversity course (DIVD) and one global diversity course (DIVG). Please consult with a Kent State Academic Advisor

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).

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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 Columbus State Community College and Kent State University.

Contact Information:

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Kent State University

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