



# AAS, Mechanical 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: [17 Credit Hours] Cuyahoga Community College</b>			
MATH 1530 College Algebra	4		MATH 11010 Algebra for Calculus (KMCR)
MET 1100 Technology Orientation	2		ENGR 1X000
MET 1120 Computer Applications and Programming	2		ENGR 1X000
MET 1230 Drawing & AutoCAD	3		MERT 12000 Engineering Drawing (Applied Elective)
OT36 Arts & Humanities Requirement	3		(KHUM/KFA)
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>			
MATH 1540 Trigonometry	3		MATH 11022 Trigonometry (KMCR)
MET 1240 Machine Tools and Manufacturing Processes	3		MERT 12004 Manufacturing Process (Applied Elective)
MET 1601 Technical Statics	3		MERT 22005 Statics (Applied Elective)
PHYS 1210 College Physics I	4		PHY 13001 General College Physics I and PHY 13021 General College Physics Laboratory I (KBS, KLAB)
ENG-1020 College Composition II or ENG-102H Honors College Composition II or ENG 2151 Technical Writing	3		ENG 21011 Research Writing (KCP2) or ENG 20002 Introduction to Technical Writing (KCP2)
<b>Semester Three: [16 Credit Hours] Cuyahoga Community College</b>			
MET 1300 Engineering Materials and Metallurgy	3		MERT 12005 Properties of Materials (Applied Elective)
MET 1621 Technical Dynamics	3		MERT 1X000 (Applied Elective)
MET 2041 CAD II & GD&T	3		MERT 12001 Computer Aided Design (Applied Elective)
MET 2200 Strength of Materials	3		MERT 22007 Strength of Materials (Applied Elective)
MET 2240 Mechanical Engineering Lab	1		MERT 2X000
MET 2300 Fluid Power	3		MERT 22012 Fluid Power (Applied Elective)
<b>Semester Four: [15 Credit Hours] Cuyahoga Community College</b>			
HLTH 1230 Standard First Aid and Personal Safety	1		HED 1X000
MET 2601 3D Solid Modeling	3		MERT 12001 Computer Aided Design (Applied Elective)
MET 2700 Machine Design	4	■	MERT 32004 Machine Design (Conc. Elective)
PHYS 1220 College Physics II	4		PHY 13002 General College Physics II and PHY 13022 General College Physics Laboratory II (KBS, KLAB)
OT36 Social & Behavioral Sciences Requirement (Not ECON)	3		(KSS)
<b>64 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.

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
<b>Semester Five: [14 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	■	
General Elective	4		
Concentration Elective	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: [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: [12 Credit Hours] Kent State University</b>			
ENGR 31000 Cultural Dynamics Technology (DIVD) (WIC) Or ENGR 33092 Cooperative Education (ELR) (WIC)	3	■	
ENGT 43099 Engineering Technology Capstone (ELR)	3	■	
ENGR 43080 Industrial and Environmental Safety	3	■	
Kent Core Requirement (KHUM/KFA)**	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 must successfully [complete one domestic diversity course \(DIVD\)](#) and one [global diversity course \(DIVG\)](#). Please consult with a Kent State Academic Advisor.

# 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  
330-672-7341  
[pathways@kent.edu](mailto:pathways@kent.edu)

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