AAS in Mechanical Engineering Technology to BS in Engineering Technology, Integrated Engineering Technology Concentration

BS in Engineering Technology is offered on-ground at the Tuscarawas Campus*

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
Semester One: [18 Credit Hours] Stark State College			
SSC101 Student Success Seminar	1		TRAN 1X000
DET121 Engineering Drawing	3		ENGR 1X000 (Applied Elective)
ENG124 College Composition	3		ENG 11011 College Writing I (KCP1)
MET123 Material Science	3		MERT 12005 Properties of Materials (Applied Elective)
MTH135 Precalculus	5		MATH 11010 Algebra for Calculus (KMCR) and MATH 11022 Trigonometry (KMCR)
ITD122 Computer Applications for Professionals	3		CIS 24053
Semester Two: [14-15 Credit Hours] Stark State College			
DET125 Basic AutoCAD	3		DET 125 + DET 230 = MERT 12001 + MERT 2X000 (Applied Elective)
MET124 Statics and Strength of Materials	4		MERT 22005 Statics (Applied Elective)
MET225 Manufacturing Processes or AIT122 Machine Tools	3 or 4		MERT 12004 Manufacturing Processes or ENGR 1X000
PHY121 College Physics I with Algebra (lab)	4		PHY 13001 General College Physics I and PHY 13021 General College Physics Laboratory I (KBS, KLAB)
Semester Three: [13 Credit Hours] Stark State College			
DET230 AutoCAD Inventor with 3D Printing and Scanning	3		DET 125 + DET 230 = MERT 12001 + MERT 2X000 (Applied Elective)
MET221 Advanced Strength of Materials	2		MERT 22007 Strength of Materials (Applied Elective)
MET222 Fluid Power	4		MERT 22012 Fluid Power (Applied Elective)
MET228 Machine Design	4	■	MERT 32004 Machine Design (Conc. Elec.)
Semester Four: [17 Credit Hours] Stark State College			
EST230 Electrical Circuits and Devices	4		ENGR 21020 + ENGR 21022 (Applied Elective)
MET223 Dynamics	2		MERT 2X000 (Applied Elective)
MET226 Technical Project- Mechanical and Design	2		ENGT 23099 Engineering Technology Design Project
MET227 Thermodynamics and Heat Transfer	3	■	MERT 42000 Thermodynamics for Engineering Technology (Conc. Elec.)
ENG221 Technical Report Writing	3		ENG 20002 Introduction to Technical Writing (KCP2)
Arts & Humanities Elective**	3		(KHUM/KFA)
62-63 Total Credit Hours to Graduate with the AAS Degree from Stark State College			

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
Semester Five: [13-14 Credit Hours] Kent State University			
CS 10051 Computer Science Principles or EERT 32003 Technical Computing	3-4	■	
OTEC 26636 Project Management for Administrative Professionals	1		
ENGT 42003 Lean and Six Sigma for Competitive Manufacturing	3	■	
Kent Core Research Writing (KCP2)	3		@
Kent Core Requirement (KSS- Not Econ)	3		@
Semester Six: [15 Credit Hours] Kent State University			
ENGR 36620 Project Management in Engineering and Technology	3	■	
MATH 11012 Intuitive Calculus (KMCR)	3		@MTH221
ENGT 43363 Materials Science and Technology	3	■	
Kent Core Basic Science Requirement (KBS)	3		@
ENGT 32006 Economic Decision Analysis for Engineering Technology	3	■	
Semester Seven: [15 Credit Hours] Kent State University			
ENGR 33700 Quality Techniques	3	■	
ECON 22060 Principles of Microeconomics (KSS)	3		@BUS221
ENGT 31010 Engineering and Professional Ethics	3	■	
Kent Core Requirement (KHUM/KFA)**	3		@
Concentration Elective (Conc. Elec.)	3	■	
Semester Eight: [15 Credit Hours] Kent State University			
ENGR 31000 Cultural Dynamics Technology (DIVD) (WIC) or ENGT 33092 Engineering Technology Internship and 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		@
General Elective	3		@ (If needed to reach 120 total credit hours)
121 -122 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University			

@ Course may be taken at Stark 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.

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).

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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 Stark State College and Kent State University.

Contact Information

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