

AAS IN INDUSTRIAL ELECTRONICS TECHNOLOGY TO BS IN ENGINEERING TECHNOLOGY, GREEN AND ALTERNATIVE ENERGY CONCENTRATION

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

SUGGESTED SEQUENCE AT BELMONT COLLEGE		
Semester One	15 Credits	KSU Equivalent
EIE 1301 Electrical Circuits	4	EERT 1X000 (Applied Elective)
EIE 1201 Digital Electronics	4	EERT 22004 Digital Systems (Applied Elective)
ENG 1110 Composition I	3	ENG 11011 College Writing I (KCP1)
MAT 1130 College Algebra	4	MATH 11010 Algebra for Calculus (KMCR)
Semester Two	14 Credits	KSU Equivalent
CPT2247 C++ Programming	3	IT 20001 C++ Programming
BUS 1125 Supervision and Management	3	BMRT 11009 Introduction to Management Technology
MAT 1140 Trigonometry	3	MATH 11022 Trigonometry (KMCR)
PHY 1110 Physics I	5	PHY 13001 General College Physics I and PHY 13021 General College Physics I Lab (KBS, KLAB)
Semester Three	18-19 Credits	KSU Equivalent
COM 1110 Interpersonal Communications	3	COMM 20001 Interpersonal Communication
ECN 1110 Macroeconomics	3	ECON 22061 Principles of Macroeconomics (KSS)
EIE 2105 Analog Electronics	4	EERT 12010 Introduction to Electronics, Applied Course and EERT 22011 Electronic Systems (Applied Elective)
PHY 1112 Physics II	5	PHY 13002 General College Physics II and PHY 13022 General College Physics II Lab (KBS, KLAB)
Electronics Elective	3-4	(Applied Elective)
Semester Four	15-16 Credits	KSU Equivalent
EIE 2120 NEC	2	ENGT 2X000 (Applied Elective)
FST 1116 Workplace Safety	1	TRAN 1X000 (Applied Elective)
EIE 2301 DC & AC Machinery	4	ENGR 43220 Electrical Machinery (Applied Elective)
EIE 2190 Electronics Capstone	2	ENGT 22099 Engineering Technology Project (Applied Elective)
OT36 Arts and Humanities**	3	(KHUM/KFA)
Electronics Elective	3-4	(Applied Elective)
62-64 Total Credit Hours to Complete AAS from Belmont College		

SUGGESTED SEQUENCE AT KENT STATE UNIVERSITY	
Semester Five	16 Credits
EERT 32003 Technical Computing	3
OTEC 26636 Project Management for Administrative Professionals	1
ENG 20002 Introduction to Technical Writing or OTEC 26638 Business Communications	3
MATH 11012 Intuitive Calculus (KMCR)	3
Concentration Electives (Upper-Division)	6
Semester Six	15 Credits
ENGR 36620 Project Management in Engineering and Technology	3
ENGR 33363 Materials Science and Technology	3
ENG 21011 College Writing II (KCP2) @	3
Kent Core Fine Arts (KFA)** @	3
Kent Core Humanities (KHUM)** @	3
Semester Seven	15 Credits
ENGR 33700 Quality Techniques	3
ENGR 31010 Engineering & Professional Ethics	3
ECON 22060 Principles of Microeconomics	3
GAE 32000 Fuel Cell Technology	3
Concentration Elective (Upper-Division)	3
Semester Eight	15 Credits
TAS 47999 Applied Studies Capstone Seminar (ELR)	3
GAE 42004 Advanced Fuel Cell Technology	3
ENGR 31000 Cultural Dynamics of Technology (DIVD) (WIC) or ENGR 33092 Cooperative Education - Professional Development (ELR) (WIC)	3
ENGR 43080 Industrial and Environmental Safety	3
Kent Core Social Science – Not ECON (KSS) @	3
123-125 Total Credit Hours to Complete BS from KSU, Including Transfer Coursework	

@ Course may be taken at Belmont 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 through Kent State University consult with academic advisors at both Belmont College and Kent State University.

Contact Information:

Kent State University

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Belmont College

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