

**APPENDIX 1
ARTICULATION AND TRANSFER TABLE**

Belmont College: Associate of Applied Science, Industrial Electronics Technology

Kent State University: Bachelor of Science, Engineering Technology, Green and Alternative Energy

EQUIVALENCIES CURRENTLY ON THE TRANSFER TABLES (AND U.SELECT)			
BELMONT COLLEGE	Credits	KENT STATE UNIVERSITY	Credits
BC English Composition		Kent Core Composition (6 credits)	
ENG 1110 Composition I	3	ENG 11011 College Writing I	3
ENG 1120 Composition II	3	ENG 21011 College Writing II	3
BC Mathematics		Kent Core Math/Critical Reasoning (3 credits)	
MAT 1130 College Algebra	4	MATH 11010 Algebra for Calculus	4
BC Arts and Humanities		Kent Core Humanities or Fine Arts (9 credits)	
PHL 2130 Ethics (TAGS)	3	PHIL 21001 Introduction to Ethics	3
Numerous course options available	6	Minimum one course each from fine arts & humanities	6
BC Social and Behavioral Sciences		Kent Core Social Sciences (6 credits)	
ECN 1120 Microeconomics	3	ECON 22060 Microeconomics	3
Numerous course options available	3	Must be selected from different curricular area	3
BC Natural and Physical Sciences		Kent Core Basic Sciences (6-7 credits)	
PHY 1110 Physics I	5	PHY 13001 General College Physics I (4) <i>and</i> PHY 13021 General College Physics I Lab (1)	5
PHY 1112 Physics II	5	PHY 13002 General College Physics II (4) <i>and</i> PHY 13022 General College Physics II Lab (1)	5
BC Transfer Module (additional)		Kent Core Additional (6 credits)	
ECN 1110 Macroeconomics	3	ECON 22061 Macroeconomics	3
Additional hours from Natural & Physical Sciences above		Additional hours from Kent Core Basic Sciences above	
Program Requirements		Program Requirements	
MAT 2120 Calculus I	4	MATH 11012 Intuitive Calculus	4

APPROVED NEW / REVISED EQUIVALENCIES TO BE PUT ON THE TRANSFER TABLES (AND U.SELECT)			
BELMONT COLLEGE	Credits	KENT STATE UNIVERSITY	Credits
EIE 1101 DC Circuits	4	EERT 12000 Electric Circuits I	4
EIE 1102 AC Circuits	4	EERT 12001 Electric Circuits II	4
EIE 1201 Digital Electronics	4	EERT 22004 Digital Systems	4
EIE 1205 Network Infrastructure	4	EERT 22018 PC/Network Engineering & Troubleshooting	4
EIE 2105 Analog Electronics	4	EERT 12010 Introduction to Electronics	4
EIE 2110 NEC/OSHA	3	EERT 2XXXX	3
EIE 2190 Electronics Capstone	2	MERT 22009 Engineering Technology Project	2
EIE 2210 Programmable Logic Controllers	4	TECH 33031 Programmable Logic Controllers	4
MAT 1140 Trigonometry	3	MATH 11022 Trigonometry	3
PHL 2130 Ethics	3	PHIL 21001 Introduction to Ethics	3

**APPENDIX 2
SUGGESTED SEMESTER SEQUENCE**

Belmont College: Associate of Applied Science, Civil Engineering

Kent State University: Bachelor of Science, Engineering Technology, Green and Alternative Energy

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
Semester One: [16-20 Credit Hours] Belmont College			
EIE 1101 DC Circuits	4		Fulfills EERT 12000 Electric Circuits I, Applied Course
EIE 1201 Digital Electronics	4		Fulfills EERT 22004 Digital Systems, Applied Course
ENG 1110 Composition I	3		#Fulfills ENG 11011 College Writing I, Kent Core Composition
MAT 1130 College Algebra	4		#Fulfills, MATH 11010 Algebra for Calculus, Kent Core Mathematics and Critical Reasoning
General Education Elective	1-5		May fulfill Kent Core if selected from BC Transfer Module
Semester Two: [16 Credit Hours] Belmont College			
EIE 1102 AC Circuits	4		Fulfills EERT 12001 Electric Circuits II, Applied Course
EIE 1205 Network Infrastructure	4		Fulfills EERT 22018 PC/Network Engineering & Troubleshooting, Applied Course
MAT 1140 Trigonometry	3		Fulfills MATH 11022 Trigonometry
PHY 1110 Physics I	5		#Fulfills PHY 13001 General College Physics I <i>and</i> PHY 13021 General College Physics I Lab, Kent Core Basic Sciences Lab
Semester Three: [18-19 Credit Hours] Belmont College			
COM 1110 Interpersonal Communications	3		
ECN 1110 Macroeconomics	3		#Fulfills ECON 22061 Principles of Macroeconomics, Kent Core Additional
EIE 2105 Analog Electronics	4		Fulfills EERT 12010 Introduction to Electronics, Applied Course
PHY 1112 Physics II	5		#Fulfills PHY 13002 General College Physics II <i>and</i> PHY 13022 General College Physics II Lab, Kent Core Basic Sciences Lab
Electronics Elective	3-4		Fulfills Applied Course
Semester Four: [15-16 Credit Hours] Belmont College			
EIE 2110 NEC/OSHA	3		Fulfills Applied Course
EIE 2210 Programmable Logic Controllers	4	■	Fulfills TECH 33031 Programmable Logic Controllers, Applied Course
EIE 2190 Electronics Capstone	2		Fulfills MERT 22009 Engineering Technology Project, Applied Course
PHL 2130 Ethics	3		#Fulfills PHIL 21001 Introduction to Ethics, Kent Core Humanities
Electronics Elective	3-4		Fulfills Applied Course
65-71 Total Credit Hours to Graduate with the AAS Degree from Belmont College			

#Course will fulfill Kent State University's Kent Core (general education) requirement.

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
Semester Five: [15 Credit Hours] Kent State University			
TAS 37900 Applied Studies Cornerstone	3	■	
CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking & Programming or EERT 22003 Technical Computing	3		
MATH 11012 Intuitive Calculus	3		@MTH 2120 Calculus I
ENG 20002 Introduction to Technical Writing or ITAP 26638 Business Communications	3		
EERT 21010 Engineering & Professional Ethics or TECH 31010 Engineering & Professional Ethics	3		
Semester Six: [15 Credit Hours] Kent State University			
GAE 32000 Fuel Cell Technology	3	■	
ENG 21011 College Composition II	3		@ENG 1120 Composition II
ECON 22060 Principles of Microeconomics	3		@ECN 1120 Microeconomics
Kent Core Humanities	3		@See BC Transfer Module Arts & Humanities
Kent Core Fine Art	3		@See BC Transfer Module Arts & Humanities
Semester Seven: [18 Credit Hours] Kent State University			
TECH 33363 Metallurgy and Materials Science	3	■	
GAE 42004 Advanced Fuel Cell Technology	3	■	
Green and Alternative Energy Electives	6	■	
General Elective (upper-division)	3	■	
Kent Core Social Science	3		@See BC Transfer Module Social & Behavioral Sciences
Semester Eight: [16-17 Credit Hours] Kent State University			
TAS 47900 Applied Studies Capstone Seminar	3	■	
TECH 31000 Cultural Dynamics of Technology (3) or TECH 33056 Cooperative Education—Professional Development (2)	2-3	■	
TECH 43080 Industrial and Environmental Safety	3	■	
Green and Alternative Energy Electives	6	■	
General Elective (upper-division)	1	■	
129-136 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University			

Number of elective credits required depends on meeting minimum 121 credit hours and minimum 39 upper-division hours.

@Course may be taken at Belmont College prior to transferring to Kent State. However, please be aware of Kent State's residence policy (www.kent.edu/catalog/2012/policies/requirements-undergraduate.cfm).

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Global / Domestic Diversity Course	Writing-Intensive	Experiential Learning	Minimum	
						Major GPA	Overall GPA
121	39	36	Kent Core/ or TECH 31000 or General Electives	TECH 31000 or TECH 33056	Visit www.kent.edu/catalog/elr	2.000	2.000

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010	0
Humanities and Fine Arts (9 credit hours) <i>Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts</i>	May fulfill diversity requirement	9
Social Sciences (6 credit hours) <i>Must be selected from two curricular areas</i>	3 credits are fulfilled in this major with ECON 22060	3
Basic Sciences (6-7 credit hours) <i>Must include one laboratory</i>	Fulfilled in this major with PHY 13001, 13021 and 10322	0
Additional (6 credit hours) <i>Must be selected from two Kent Core categories</i>	5 credits are fulfilled in this major with MATH 11012 and PHY 13012	1

Note 1: Applied Courses should be chosen from an approved associate degree or a declared minor or individualized specialization selected in consultation with an advisor.

Note 2: **Green and Alternative Energy electives (12 credit hours), choose from the following:**

EERT 32005 Instrumentation	3	MERT 42000 Thermodynamics for Engineering Technology	3
GAE 42002 Energy Management Systems (3) or TECH 42100 Training Topics in Technology (1-4)	1-4	TECH 31020 Automated Manufacturing	3
GAE 42003 Lean Manufacturing, Six Sigma and Operations Technology	3	TECH 31032 Power Technology	3

Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade. Visit www.kent.edu/catalog/wic for course list.

Experiential Learning Requirement

To provide students with direct engagement in learning experiences that promote academic relevance, meaning and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr for course list.

Upper-Division Requirement

Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.