APPENDIX 1
ARTICULATION AND TRANSFER TABLE

Belmont College: Associate of Applied Science, Civil Engineering
Kent State University: Bachelor of Science, Engineering Technology, Manufacturing/Mechanical/Systems

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 (TAG)	3	PHIL 21001Introduction 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) *and* PHY 13021 General College Physics I Lab (1)	5
PHY 1112 Physics II	5	PHY 13002 General College Physics II (4) *and* 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**
ECE 1101 Introduction to Civil Engineering	1	MERT 1XXXX	1
ECE 1120 CAD	4	IERT 12005 Applications in CAD	4
ECE 1170 Computing for Engineers	3	EERT 22003 Technical Computing	3
ECE 1160 Hydraulics & Hydrology	4	MERT 22012 Fluid Power	4
ECE 2121 Surveying	3	IERT 2XXXX	3
ECE 2216 Statics	3	MERT 22005 Statics	3
ECE 2251 Construction Estimating	4	IERT 2XXXX	4
ECE 2221 Strength of Materials	3	MERT 22007 Strength of Materials	3
ECE 2241 Soil Mechanics	4	MERT 1XXXX	4
ECE 2261 Environmental Science	3	IERT 2XXXX	3
ECE 2230 Engineering Materials & Concrete Design	4	MERT 12005 Properties of Materials	4
MAT 1140 Trigonometry	3	MATH 11022 Trigonometry	3
PHL 2130 Ethics	3	PHIL 21001Introduction to Ethics	3

APPENDIX 2
SUGGESTED SEMESTER SEQUENCE

Belmont College: Associate of Applied Science, Civil Engineering
Kent State University: Bachelor of Science, Engineering Technology, Manufacturing/Mechanical/Systems

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
Semester One: [15 Credit Hours] Belmont College			
ECE 1101 Introduction to Civil Engineering	1		Fulfills Applied Course
ECE 1120 CAD	4		Fulfills IERT 12005 Applications in CAD, Applied Course
ECE 1170 Computing for Engineers	3		Fulfills EERT 22003 Technical Computing
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
Semester Two: [19 Credit Hours] Belmont College			
CHM 1110 Chemistry Principles I	4		
ECN 1110 Macroeconomics	3		#Fulfills ECON 22061 Principles of Macroeconomics, Kent Core Additional
ECE 1160 Hydraulics & Hydrology	4		Fulfills MERT 22012 Fluid Power, Applied Course
MAT 1140 Trigonometry	3		Fulfills MATH 11022 Trigonometry
PHY 1110 Physics I	5		#Fulfills PHY 13001 General College Physics I *and* PHY 13021 General College Physics I Lab, Kent Core Basic Sciences Lab
Semester Three: [19 Credit Hours] Belmont College			
COM 1110 Interpersonal Communications	3		
ECE 2121 Surveying	4		Fulfills Applied Course
ECE 2216 Statics	3		Fulfills MERT 22005 Statics, Applied Course
ECE 2251 Construction Estimating	4		Fulfills Applied Course
PHY 1112 Physics II	5		#Fulfills PHY 13002 General College Physics II *and* PHY 13022 General College Physics II Lab, Kent Core Basic Sciences Lab
Semester Four: [17 Credit Hours] Belmont College			
ECE 2221 Strength of Materials	3		Fulfills MERT 22007 Strength of Materials, Applied Course
ECE 2241 Soil Mechanics	4		Fulfills Applied Course
ECE 2261 Environmental Science	3		Fulfills Applied Course
ECE 2230 Engineering Materials & Concrete Design	4		Fulfills MERT 12005 Properties of Materials, Applied Course
PHL 2130 Ethics	3		#Fulfills PHIL 21001Introduction to Ethics, Kent Core Humanities
70 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	■	
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		
Kent Core Humanities	3		@See BC Transfer Module Arts & Humanities
Semester Six: [15 Credit Hours] Kent State University			
TECH 31020 Automated Manufacturing	3	■	
Engineering Technology Electives	3	■	
ENG 21011 College Composition II	3		@ENG 1120 Composition II
ECON 22060 Principles of Microeconomics	3		@ECN 1120 Microeconomics
Kent Core Fine Art	3		@See BC Transfer Module Arts & Humanities
Semester Seven: [15 Credit Hours] Kent State University			
TECH 33363 Metallurgy and Material Science	3	■	
Engineering Technology Electives	9	■	
Kent Core Social Science	3		@See BC Transfer Module Social & Behavioral Sciences
Semester Eight: [17-18 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 32002 Materials and Processes II	3	■	
TECH 43080 Industrial and Environmental Safety	3	■	
Engineering Technology Electives	6	■	
132-133 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University			

@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	Minimum Overall GPA
121	39	36	Kent Core/ TECH 31000 or Kent Core or Elective	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) *ENG 11002, 11011, 21011; HONR 10197, 10297*	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) *Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts*	May fulfill diversity requirement	9
Social Sciences (6 credit hours) *Must be selected from two curricular areas*	3 credits are fulfilled in this major with ECON 22060	3
Basic Sciences (6-7 credit hours) *Must include one laboratory*	Fulfilled in this major with PHY 13001, 13021 and 13022	0
Additional (6 credit hours) *Must be selected from two Kent Core categories*	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: **Electives (9 credit hours), choose from the following:**

GAE 32000 Fuel Cell Technology	3
MERT 42000 Thermodynamics for Engineering Technology	3
MERT 43001 Dynamics for Engineering Technology	3
TECH 31032 Power Technology I	3
TECH 31067 Machining Technology	3
TECH 33016 PC/Network Engineering and Troubleshooting	3
TECH 33033 Hydraulic/Pneumatics	3
TECH 33700 Quality Techniques	3
TECH 34002 Advanced CAD II	3
TECH 43220 Electrical Machinery	3
TECH 43550 Computer-Aided Manufacturing	3

Electives (9 credit hours), choose from the following:

EERT 32005 Instrumentation	3
GAE 42003 Lean Manufacturing, Six Sigma and Operations Technology	3
TECH 32101 Polymers I	3
TECH 36620 Coordinating Technical Projects	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.