KENT STATE UNIVERSITY

**Roadmap: Electrical/Electronic Engineering Technology –
Electrical Engineering Technology (General) – Associate of Applied Science**
[RE-AAS-EEET-EETG]
Regional College
Catalog Year: 2012-2013

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designated as critical (in boldface and shaded areas) must be completed in the semester listed to ensure a timely graduation.

Course Subject and Title	Credit Hours	Min. Grade	Major GPA	Important Notes
Semester One: [17 Credit Hours]				
EERT 12000 Electric Circuits I	**4**		■	
MERT 12000 Engineering Drawing	**3**		■	
CS 10061 Introduction to Computer Programming *or* DSCI 15310 Computational Thinking and Programming *or* EERT 22003 Technical Computing	3			
MATH 11010 Algebra for Calculus	3			Enrollment based on placement test; fulfills Kent Core Mathematics and Critical Reasoning
US 10097 Destination Kent State: First Year Experience	1			Not required of transfer students with 25 credits
Kent Core Requirement	3			See Kent Core Summary
Semester Two: [19 Credit Hours]				
EERT 12001 Electric Circuits II	**3**		■	
EERT 12010 Introduction to Electronics	**4**		■	
ENG 20002 Introduction to Technical Writing *or* ITAP 26638 Business Communications	3			
MATH 11012 Intuitive Calculus	3			
MATH 11022 Trigonometry	3			
Kent Core Requirement	3			See Kent Core Summary
Semester Three: [18 Credit Hours]				
EERT 12005 Electrical/Electronic Drawing *or* **IERT 12005 Applications in CAD** *or* **TECH 33095 Special Topics: AutoCad with Applications**	**2**		■	
EERT 22002 Industrial Controls *or* **EERT 22005 Electronic Instrumentation** *or* **EERT 22018 PC/Network Engineering and Troubleshooting** *or* **EEET 32005 Instrumentation** *or* **TECH 33016 PC/Network Engineering and Troubleshooting**	**3**		■	
EERT 22011 Electronic Systems	**2**		■	
EERT 22014 Microprocessors and Robotics	**3**		■	
COMM 15000 Introduction to Human Communication	3			Fulfills Kent Core Additional for bachelor's degree
PHY 13001 General College Physics I	4			Fulfills Kent Core Basic Sciences
PHY 13021 General College Physics Laboratory I	1			
Semester Four: [19 Credit Hours]				
EERT 22004 Digital Systems	**4**		■	
EERT 22006 Electrical Machines *or* **EERT 22013 Industrial Electronics** *or* **TECH 43220 Electrical Machinery**	**3**		■	
MERT 22009 Engineering Technology Project	**3**		■	
PHY 13012 College Physics II	2			Fulfills Kent Core Basic Sciences; see note on page 2
PHY 13022 General College Physics Laboratory II	1			
Kent Core Requirement	3			See Kent Core Summary
General Studies Elective	3			Select course from Kent Core Humanities and Fine Arts; students on the Tuscarawas Campus must take EERT 21010 or TECH 31010 Engineering and Professional Ethics due to ABET accreditation.

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
73	2.000	2.000

Kent Core Summary (visit www.kent.edu/catalog/kent-core for course list)

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (3 credit hours) *ENG 11002, 11011, 21011; HONR 10197, 10297*	Enrollment based on placement test	3
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010	0
Humanities and Fine Arts (3 credit hours)		3
Social Sciences (3 credit hours)		3
Basic Sciences (3 credit hours)	Fulfilled in this major with PHY 13001, 13012, 13021 and 1322	0

Note 1: Students who successfully completed PHY 13002 will have met the requirement for PHY 13012.