KENT STATE
U N I V E R S I T Y

Roadmap: Electrical/Electronic Engineering Technology – Computer – Associate of Applied Science
[RE-AAS-EEET-CMPR]
Regional College
Catalog Year: 2013-2014

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: [14-16 Credit Hours]				
EERT 22011 Electronic Systems	**2**		■	
EERT 22014 Microprocessors and Robotics	**3**		■	
EERT 22002 Industrial Controls *or* **EERT 22005 Electronic Instrumentation** *or* **EERT 22018 PC/Network Engineering and Troubleshooting** *or* **EERT 32005 Instrumentation** *or* **TECH 33016 PC/Network Engineering and Troubleshooting**	**3**		■	
COMM 15000 Introduction to Human Communication	3			Fulfills Kent Core Additional for bachelor's degree
PHY 12201 Technical Physics I (3) *or* PHY 13001 General College Physics I (4) *and* PHY 13021 General College Physics I Laboratory(1)	3-5			Fulfills Kent Core Basic Sciences
Semester Four: [18-19 Credit Hours]				
EERT 22015 Robotics and Advanced Microsystems	**3**		■	
EERT 22004 Digital Systems	**4**		■	
MERT 22009 Engineering Technology Project	**2**		■	
PHY 12202 Technical Physics II (4) *or* PHY 13012 College Physics II *and* PHY 13022 General College Physics II Laboratory	3-4			Fulfills Kent Core Basic Sciences; must choose from same sequence chosen in previous semester; see note below
Kent Core Requirement	3			See Kent Core Summary
General Studies Elective	3			Take Kent Core Humanities/Fine Arts; students on the Tuscarawas Campus must take EERT 21010 Engineering and Professional Ethics

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
69	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 13022 or PHY 12201 and 12202	0