

## Roadmap: Electrical/Electronic Engineering Technology – Electrical Engineering Technology (General) – Associate of Applied Science

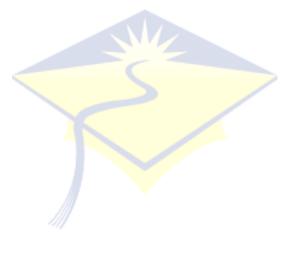
[RE-AAS-EEET-EETG] Regional College Catalog Year: 2011-2012

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.

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Course Subject and Title	Credit Hours	Min. Grade	Important Notes
Semester One: [17 Credit Hours]			
EERT 12000 Electric Circuits I	4		
MERT 12000 Engineering Drawing	3		
EERT 22003 Technical Computing	3		
Kent Core Composition	3		Enrollment based on placement test
MATH 11010 Algebra for Calculus	3		Enrollment based on placement test; fulfills Kent Core Mathematics and Critical Reasoning
US 10097 Destination Kent State: FYE	1		Not required of transfer students with 25 credits
Semester Two: [18 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		Fulfills Kent Core Additional
MATH 11022 Trigonometry	2		
General Studies Elective	3		Select course from Kent Core Social Sciences or Humanities; students on the Tuscarawas Campus must take EERT 21010 Engineering and Professional Ethics
Semester Three: [17 Credit Hours]			
EERT 12005 Electrical/Electronic Drawing or IERT 12005 Applications in CAD	2		
EERT 22002 Industrial Controls or EERT 22005 Instrumentation or EERT 22018 PC/Network Engineering and Troubleshooting or TECH 33016 PC/Network Engineering and Troubleshooting	3		
EERT 22011 Electronic Systems	2		
EERT 22014 Microprocessors and Robotics	4		
COMM 15000 Introduction to Human Communication	3		Fulfills Kent Core Additional
PHY 12201 Technical Physics I	3		
Semester Four: [17 Credit Hours]			
EERT 22004 Digital Systems	4		
EERT 22006 Electrical Machines or EERT 22013 Industrial Electronics	3		
IERT 22010 Computer Integrated Manufacturing	3		
MERT 22009 Robotics and Flexible Automation	3		
PHY 12202 Technical Physics II	4		

## **Graduation Requirements Summary**

Minimum Total Hours	Minimum		
	Major GPA	Overall GPA	
69	2.0	2.0	





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Catalog Year: 2011-2012

Kent Core Summary (for students planning to pursue a baccalaureate program)

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Kent Core Categories	Important Notes	
Composition (6-8 credit hours) ENG 11002, 11011, 21011; HONR 10197, 10297	Enrollment based on placement test; 3 credit hours fulfilled in this major with ENG 11011	
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010	
Humanities and Fine Arts (9 credit hours)  Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts		
Social Sciences (6 credit hours)  Must be selected from two curricular areas		
Basic Sciences (6-7 credit hours) Must include one laboratory		
Additional (6 credit hours)  Must be selected from two Kent Core categories	Fulfilled in this major with COMM 15000 and MATH 11012	