



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	Important Notes
<b>Semester One: [17 Credit Hours]</b>			
<b>EERT 12000 Electric Circuits I</b>	<b>4</b>		
<b>MERT 12000 Engineering Drawing</b>	<b>3</b>		
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
<b>Semester Two: [18 Credit Hours]</b>			
<b>EERT 12001 Electric Circuits II</b>	<b>3</b>		
<b>EERT 12010 Introduction to Electronics</b>	<b>4</b>		
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
<b>Semester Three: [17 Credit Hours]</b>			
<b>EERT 12005 Electrical/Electronic Drawing or IERT 12005 Applications in CAD</b>	<b>2</b>		
<b>EERT 22002 Industrial Controls or EERT 22005 Instrumentation or EERT 22018 PC/Network Engineering and Troubleshooting or TECH 33016 PC/Network Engineering and Troubleshooting</b>	<b>3</b>		
<b>EERT 22011 Electronic Systems</b>	<b>2</b>		
<b>EERT 22014 Microprocessors and Robotics</b>	<b>4</b>		
COMM 15000 Introduction to Human Communication	3		Fulfills Kent Core Additional
PHY 12201 Technical Physics I	3		
<b>Semester Four: [17 Credit Hours]</b>			
<b>EERT 22004 Digital Systems</b>	<b>4</b>		
<b>EERT 22006 Electrical Machines or EERT 22013 Industrial Electronics</b>	<b>3</b>		
<b>IERE 22010 Computer Integrated Manufacturing</b>	<b>3</b>		
<b>MERT 22009 Robotics and Flexible Automation</b>	<b>3</b>		
PHY 12202 Technical Physics II	4		

**Graduation Requirements Summary**

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
69	2.0	2.0





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

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