

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		
ENG 11011 College Writing I	3		
MATH 11010 Algebra for Calculus	3		
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 <i>or</i> ITAP 26638 Business Communications	3		
MATH 11012 Intuitive Calculus	3		
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 <i>or</i> IERT 12005 Applications in CAD</b>	<b>2</b>		
<b>EERT 22002 Industrial Controls <i>or</i> EERT 22005 Instrumentation <i>or</i> EERT 22018 PC/Network Engineering and Troubleshooting <i>or</i> 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		
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 <i>or</i> EERT 22013 Industrial Electronics</b>	<b>3</b>		
<b>IERT 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**

Total Hours	Minimum	
	Major GPA	Overall GPA
69	2.0	2.0

