



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		■	
EERT 22003 Technical Computing	3		■	
MATH 11010 Algebra for Calculus	3			Fulfills Kent Core Mathematics and Critical Reasoning
MERT 12000 Engineering Drawing	3		■	
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: [17 Credit Hours]				
EERT 12001 Electric Circuits II	3		■	
EERT 22000 Electricity/Electronics with Applications	3		■	
EERT 22017 Applied Engineering Software	3		■	
IERT 12005 Applications in CAD	2		■	
MATH 11012 Intuitive Calculus	3			Fulfills Kent Core Mathematics and Critical Reasoning
MATH 11022 Trigonometry	3			Fulfills Kent Core Additional for bachelor's degrees
Semester Three: [17 Credit Hours]				
EERT 22018 Network Engineering	3		■	
EIRT 22030 Survey of Information Technology	3		■	
EIRT 22033 Fiber Optics Technology	2		■	
TECH 33223 Electronic Communication	3		■	
COMM 15000 Introduction to Human Communication	3			Fulfills Kent Core Additional for bachelor's degrees
PHY 12201 Technical Physics I	3			
Semester Four: [20 Credit Hours]				
Requirement: students must request a course overload in this semester				
COMT 21095 ST: Object-Oriented Language	3		■	
EERT 22004 Digital Systems	4		■	
EIRT 22032 PC Network Engineering II	3		■	
EERT 21010 Engineering and Professional Ethics	3			
ENG 20002 Introduction to Technical Writing or ITAP 26638 Business Communications	3			
PHY 12202 Technical Physics II	4			

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
71	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) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	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)		3