



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
Semester One: [15 Credit Hours]			
MERT 12000 Engineering Drawing	3		
MERT 12004 Manufacturing Processes	3		
BMRT 11000 Introduction to Business	3		
MATH 11010 Algebra for Calculus	3		Fulfills Kent Core Mathematics and Critical Reasoning
MATH 11022 Trigonometry	2		
US 10097 Destination Kent State: First Year Experience	1		
Semester Two: [16 Credit Hours]			
MERT 12001 Computer Aided Drafting	3		
MERT 12005 Properties of Materials	3		
MATH 19002 Technical Mathematics II	4		
PHY 12201 Technical Physics I	3		
Kent Core Composition	3		Enrollment based on placement test
Semester Three: [17 Credit Hours]			
EERT 12000 Electric Circuits I	4		
EERT 22003 Technical Computing	3		
MERT 22009 Robotics and Flexible Automation	3		
ENG 20002 Introduction to Technical Writing <i>or</i> ITAP 26638 Business Communications	3		
PHY 12202 Technical Physics II	4		
Semester Four: [19 Credit Hours]			
EERT 12001 Electric Circuits II	3		
EERT 12010 Introduction to Electronics	4		
TECH 33031 Programmable Logic Controllers	3		
COMM 15000 Introduction to Human Communication	3		Fulfills Kent Core Additional
MERT 22012 Fluid Power	3		
Kent Core Humanities or Social Sciences	3		Visit www.kent.edu/catalog/kentcore for options; students on the Tuscarawas Campus must take EERT 21010

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
67	2.0	2.0

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

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