



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: [19 Credit Hours]				
CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming or EERT 22003 Technical Computing	3			
MERT 12000 Engineering Drawing	3		■	
MERT 12004 Manufacturing Processes	3		■	
MATH 11010 Algebra for Calculus	3			Fulfills Kent Core Mathematics and Critical Reasoning
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 on page 2
Kent Core Requirement	3			See Kent Core Summary on page 2
Semester Two: [18 Credit Hours]				
MERT 12001 Computer Aided Drafting	3		■	
MERT 12005 Properties of Materials	3		■	
MERT 22012 Fluid Power	3		■	
COMM 15000 Introduction to Human Communication	3			Fulfills Kent Core Additional for bachelor's degree
MATH 11012 Intuitive Calculus	3		■	Fulfills Kent Core Mathematics and Critical Reasoning
MATH 11022 Trigonometry	3			Fulfills Kent Core Additional for bachelor's degree
Semester Three: [17 Credit Hours]				
MERT 22003 Computer-Aided Tool Design	3		■	
MERT 22005 Statics	3		■	
MERT 22007 Strength of Materials	3		■	
EERT 22014 Microprocessors and Robotics	3		■	
PHY 13001 General College Physics I	4			Fulfills Kent Core Basic Sciences
PHY 13021 General College Physics Laboratory I	1			
Semester Four: [20-21 Credit Hours]				
CADT 22003 Solid Modeling	2		■	
MERT 22004 Mechanics and Machine Design	3		■	
MERT 22009 Engineering Technology Project	3		■	
EERT 21010 Engineering and Professional Ethics or IERT 22006 Economic Decision Analysis or TECH 31010 Engineering and Professional Ethics	3		■	
ENG 20002 Introduction to Technical Writing or ITAP 26638 Business Communication	3			
PHY 13002 General College Physics II (4) or PHY 13012 College Physics II (2) and PHY 13022 General College Physics Laboratory II (1)	3-4			Fulfills Kent Core Basic Sciences
Kent Core Requirement	3			See Kent Core Summary on page 2

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
74	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)	Fulfilled in this major with PHY 13001	0