



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]				
IERT 22010 Computer Integrated Manufacturing	3		■	
MERT 12000 Engineering Drawing	3		■	
EERT 22003 Technical Computing	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	4			See Kent Core Summary below
Semester Two: [18 Credit Hours]				
IERT 22006 Economic Decision Analysis	3		■	
MERT 12001 Computer Aided Drafting	3		■	
MERT 12004 Manufacturing Processes	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: [16 Credit Hours]				
EERT 22014 Microprocessors and Robotics	3		■	
IERT 22000 Statistical Process Controls	4		■	
ENG 20002 Introduction to Technical Writing	3			
PHY 12201 Technical Physics I	3			
Kent Core Requirement	3			See Kent Core Summary below
Semester Four: [17 Credit Hours]				
MERT 22009 Robotics and Flexible Automation	3		■	
PHY 12202 Technical Physics II	4			
Technical Electives	10		■	See note below

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
68	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

Note 1: Technical electives (10 credit hours), choose from the following:

COMT 21008 Computer Methods in Science and Engineering	3	IERT 22003 Supervision and Labor Relations	5
EERT 22004 Digital Systems	4	IERT 22004 Facilities Engineering	2
IERT 12005 Applications in CAD	2	IERT 22005 Production and Inventory Control	2
IERT 22001 Motion and Time Study	3	IERT 22008 Taguchi Process Improvement	3