This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designed as critical (**!**) must be completed in the semester listed to ensure a timely graduation.

Critical	Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Type	Term Taken
Semester One [16 Credits]							
!	**IERT 22010 Computer Integrated Manufacturing**	**3**			■		
!	**MERT 12000 Engineering Drawing**	**3**			■		
	EERT 22003 Technical Computing	3					
	MATH 11010 Algebra for Calculus	3				KMC	
	US 10097 Destination Kent State: First Year Experience [1]	1					
	Kent Core Requirement	3					
Semester Two [18 Credits]							
!	**IERT 22006 Economic Decision Analysis**	**3**			■		
!	**MERT 12001 Computer-Aided Drafting**	**3**			■		
!	**MERT 12004 Manufacturing Processes**	**3**			■		
	COMM 15000 Introduction to Human Communication	3				KAD	
	MATH 11012 Intuitive Calculus	3				KAD	
	MATH 11022 Trigonometry	3				KAD	
Semester Three [16 - 18 Credits]							
!	**EERT 22014 Microprocessors and Robotics**	**3**			■		
!	**IERT 22000 Statistical Process Control**	**4**			■		
	ENG 20002 Introduction to Technical Writing	3					
	PHY 12201 Technical Physics I (3) *or* PHY 13001 General College Physics I (4) *and* PHY 13021 General College Physics Laboratory I (1)	3 - 5					
	Kent Core Requirement	3					
Semester Four [18 - 20 Credits]							
!	**MERT 22009 Engineering Technology Project**	**2**			■		
	PHY 12202 Technical Physics II (4) *or* PHY 13002 General College Physics II (4) *and* PHY 13022 General College Physics Laboratory II (1) *or* PHY 13012 College Physics II (2) *and* PHY 13022 General College Physics Laboratory II (1)	3-5					
	Technical Electives [2]	10			■		
	Kent Core Requirement	3					

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	**Overall GPA**
69	2.000	2.000

1. US 10097 is not required of transfer students with 25 credits or students age 21+ at time of admission.

2. Technical Electives (10 credit hours)

Choose from the following:	
COMT 21008 Computer Methods in Science and Engineering (3)	EERT 22004 Digital Systems (4)
IERT 12005 Applications in Computer-Aided Design (2)	IERT 22001 Motion and Time Study (3)
IERT 22003 Supervision and Labor Relations (5)	IERT 22004 Facilities Engineering (2)
IERT 22005 Production and Inventory Control (2)	IERT 22008 Taguchi Process Improvement (3)

University Requirements Summary

Type	Categories	Course(s) Satisfying Category	Remaining Requirements
KCM	**Kent Core I. Composition** Enrollment based on placement test	visit www.kent.edu/catalog/kent-core	3
KMC	**Kent Core II. Mathematics and Critical Reasoning** Enrollment based on placement test	MATH 11010	fulfilled
KHU/KFA	**Kent Core III. Humanities and Fine Arts**	visit www.kent.edu/catalog/kent-core	3
KSS	**Kent Core IV. Social Sciences**	visit www.kent.edu/catalog/kent-core	3
KBS	**Kent Core V. Basic Sciences**	Fulfilled with PHYS sequence	fulfilled