

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
<b>Semester One [19 Credits]</b>							
!	MERT 1200 Engineering Drawing	3			■		
!	MERT 12004 Manufacturing Processes	3			■		
	BMRT 11000 Introduction to Business	3			■		
	MATH 11010 Algebra for Calculus	3				KMC	
	MATH 11022 Trigonometry	3				KMC	
	US 10097 Destination Kent State: First Year Experience <sup>1</sup>	1					
	Kent Core Requirement	3					
<b>Semester Two [18 Credits]</b>							
!	MERT 12001 Computer-Aided Drafting	3			■		
!	MERT 12005 Properties of Materials	3			■		
	MATH 19002 Technical Mathematics II	4			■		
	PHY 13001 General College Physics I	4				KBS	
	PHY 13021 General College Physics Laboratory I	1				KBS	
	Kent Core Requirement	3					
<b>Semester Three [15 Credits]</b>							
!	EERT 12000 Electric Circuits I	4			■		
!	CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming or EERT 22003 Technical Computing	3					
!	MERT 22009 Engineering Technology Project	2			■		
	ENG 20002 Introduction to Technical Writing or ITAP 26638 Business Communications	3					
	PHY 13002 General College Physics II or PHY 13012 College Physics II and PHY 13022 General College Physics Laboratory II	3-4				KBS	
<b>Semester Four [19 Credits]</b>							
!	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				KAD	
	MERT 22012 Fluid Power	3			■		
	Kent Core Requirement	3					

### Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
71	2.000	2.000

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

Available at the Tuscarawas Campus only.

### University Requirements Summary

Type	Categories	Course(s) Satisfying Category	Remaining Requirements
KCM	Kent Core I. Composition Enrollment based on placement test	visit <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	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 <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	3
KSS	Kent Core IV. Social Sciences	visit <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	3
KBS	Kent Core V. Basic Sciences	PHY 13001, PHY 13002	fulfilled