

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	Min. Grade	Major GPA	Attribute	Notes
<b>Semester One [19 Credits]</b>						
!	MERT 12000 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 [15-17 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 (4) or PHY 13012 College Physics II (2)	2-4			KBS	
	PHY 13022 General College Physics Laboratory II	1			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 (excluding College Credit Plus and dual-enrollment) or students age 21+ at time of admission.

Available at the Tuscarawas Campus only.

**University Requirements:** Applied and technical associate degree-seeking students must fulfill selected Kent Core (general education requirements). For more information about this requirement, please read the following section in the University Catalog: Kent Core – [www.kent.edu/catalog/kent-core](http://www.kent.edu/catalog/kent-core).

**Attribute Legend:** **DD** Diversity–Domestic; **DG** Diversity–Global; **ELR** Experiential Learning; **KAD** Kent Core Additional; **KBS** Kent Core Basic Sciences; **KCM** Kent Core Composition; **KFA** Kent Core Fine Arts; **KHU** Kent Core Humanities; **KMC** Kent Core Mathematics and Critical Reasoning; **KSS** Kent Core Social Sciences; **WIC** Writing Intensive