

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
Semester One [16 Credits]						
!	MATH 11010 Algebra for Calculus	3			KMC	
!	TECH 10001 Information Technology	3		■		
!	TECH 13580 Engineering Graphics I	3		■		
!	TECH 20002 Materials and Processes	3		■		
	UC 10097 Destination Kent State: First Year Experience ¹	1				
	Kent Core Requirement	3				
Semester Two [15 Credits]						
!	MATH 11022 Trigonometry	3			KMC	
!	TECH 23581 Computer-Aided Engineering Graphics	3		■		
	ECON 22060 Principles of Microeconomics	3			KSS	
	PSYC 11762 General Psychology	3			DD/KSS	
	Kent Core Requirement	3				
Semester Three [15-17 Credits]						
!	ENG 20002 Introduction to Technical Writing	3				
!	MIS 24163 Principles of Management ²	3		■		
!	TECH 11071 Woods Technology I	3		■		
!	Physics courses ³	3 - 5				
	Kent Core Requirement	3				
Semester Four [14-16 Credits]						
!	TECH 20001 Energy/Power	3		■		
!	CMGT 31015 Construction Technology	3		■		
!	Physics courses ³	5 - 7				
	COMM 15000 Introduction to Human Communication	3			KAD	
Semester Five [16 Credits]						
!	TECH 21021 Survey of Electricity and Electronics	4		■		
!	TECH 31016 Manufacturing Technology	3		■		
!	TECH 32002 Materials and Processes II	3		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
Semester Six [15 Credits]						
!	MIS 24056 Fundamentals of Business Statistics or MIS 34180 Human Resource Management	3		■		
	TECH 31000 Cultural Dynamics of Technology	3	C ⁴	■	DD/WIC	
	TECH Upper-Division Electives	3		■		
	General Elective ⁵	6				
Semester Seven [15 Credits]						
!	TECH 31087 Design for Technology	3		■		
!	TECH 43800 Applied Engineering Technology Seminar	3		■		
	PSYC 31773 Industrial Psychology	3				
	TECH Upper-Division Electives	6		■		
Semester Eight [12 Credits]						
	TECH Upper-Division Electives	9		■		
	General Elective ⁵	3				

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours 30000 – 40000 level course	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.250	2.000

1. UC 10097 is not required of transfer students with 25 credits (excluding College Credit Plus) or students age 21+ at time of admission.
2. Equivalent to BMRT 11009
3. Physics Course (10 credit hours)

Choose one of the following options

General College Physics option (10 credit hours)

PHY 13001 General College Physics I (4)	PHY 13002 General College Physics II (4)
PHY 13021 General College Physics Laboratory I (1)	PHY 13022 General College Physics Laboratory II (1)

Technical Physics option (10 credit hours)

PHY 12201 Technical Physics I (3)	PHY 12202 Technical Physics II (4)
Kent Core Basic Sciences (3)	

4. A minimum C grade must be earned to fulfill the writing-intensive requirement.
5. Number of credits required depends on meeting minimum 120 credit hours and 39 upper-division hours.

University Requirements: Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core; Diversity Course Requirement – www.kent.edu/catalog/diversity; Writing-Intensive Course Requirement – www.kent.edu/catalog/wic; Experiential Learning Requirement – www.kent.edu/catalog/elr.

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