

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]							
!	MATH 11010 Algebra for Calculus	3				KMC	
!	TECH 10001 Information Technology	3			■		
!	TECH 13580 Engineering Graphics I	3			■		
!	TECH 20002 Materials and Processes	3			■		
	US 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			■		
!	TECH 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 ⁴	3	■	C	■	DD/WIC	
	TECH Electives (upper division)	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 Electives (upper division)	6			■		
Semester Eight [12 Credits]							
	TECH Electives (upper division)	6			■		
	General Elective ⁵	6					

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.250	2.000

1. US 10097 is not required of transfer students with 25 credits 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 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	6
KMC	Kent Core II. Mathematics and Critical Reasoning Enrollment based on placement test	MATH 11010	fulfilled
KHU	Kent Core III. Humanities Minimum one course from humanities in Arts and Sciences; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	3
KFA	Kent Core IV. Fine Arts Minimum one course from the fine arts; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	3
KFH	Kent Core V. Humanities or Fine Arts One additional course from either the humanities or fine arts category, may fulfill diversity requirement.	visit www.kent.edu/catalog/kent-core	3
KSS	Kent Core VI. Social Sciences Must be selected from two curricular areas; may fulfill diversity requirement	ECON 22060, PSYC 11762	fulfilled
KBS	Kent Core VII. Basic Sciences Must include one laboratory	May be fulfilled in this major with PHY 13001, PHY 13002, PHY 13021 and PHY 13022 or PHY 12201 and PHY 12002	fulfilled
KAD	Kent Core VIII. Additional May fulfill diversity requirement	COMM 15000, MATH 11022	fulfilled
DD	Domestic Diversity Course Requirement Either domestic or global diversity must be from Kent Core	PSYC 11762	fulfilled
DG	Global Diversity Course Requirement Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
ELR	Experiential Learning Requirement Either course or non-course experience approved by the appropriate faculty member	www.kent.edu/catalog/elr	one course or activity
WIC	Writing-Intensive Course Requirement Minimum C (2.000) grade	TECH 31000	fulfilled