



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 [16 Credits]</b>							
!	MATH 11010 Algebra for Calculus	3				KMC	
!	TECH 10001 Information Technology	3			■		
!	TECH 13580 Engineering Graphics I	3			■		
	US 10097 Destination Kent State: First Year Experience <sup>1</sup>	1					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
<b>Semester Two [16 Credits]</b>							
!	MATH 11022 Trigonometry	3				KMC	
!	PHY 13001 General College Physics I	4				KBS	
!	TECH 23581 Computer-Aided Engineering Graphics	3			■		
	COMM 15000 Introduction to Human Communication	3				KAD	
	Kent Core Requirement	3					
<b>Semester Three [16 Credits]</b>							
!	TECH 20002 Materials and Processes	3			■		
	MATH 12002 Analytic Geometry and Calculus I	5				KMC	
	PHY 13002 General College Physics II	4				KBS	
	Kent Core Requirement	3					
	Kent Core Basic Sciences Laboratory	1					
<b>Semester Four [16 Credits]</b>							
!	TECH 21021 Survey of Electricity and Electronics	4			■		
	ACCT 23020 Introduction to Financial Accounting	3					
	ENG 20002 Introduction to Technical Writing	3			■		
	Kent Core Requirement	3					
	Kent Core Requirement	3					
<b>Semester Five [15 Credits]</b>							
!	TECH 33111 Strength of Materials	3	■		■		
!	TECH 33031 Programmable Logic Controllers	3	■		■		
	CHEM 10050 Fundamentals of Chemistry	3				KBS	
	ECON 22060 Principles of Microeconomics	3				KSS	
	MIS 24163 Principles of Management <sup>2</sup>	3			■		
<b>Semester Six [15 Credits]</b>							
!	TECH 31000 Cultural Dynamics of Technology	3	■		■		
!	TECH 33033 Hydraulics/Pneumatics	3	■		■		
!	TECH 31065 Cast Metals or TECH 33363 Metallurgy and Materials Science or TECH 43700 Computer Integrated Manufacturing	3	■		■		
!	TECH 34002 Advanced CAD II	3	■		■		
	CS 10061 Introduction to Computer Programming	3			■		
<b>Semester Seven [14 Credits]</b>							
!	TECH 43080 Industrial and Environmental Safety	3	■		■		
!	TECH 43550 Computer-Aided Manufacturing	3	■		■		
	MIS 24056 Fundamentals of Business Statistics	3			■		
	MIS 34180 Human Resource Management	3	■		■		
	General Electives	2					
<b>Semester Eight [12 Credits]</b>							
!	TECH 43580 Computer-Aided Machine Design	3	■		■		
!	TECH 43800 Applied Engineering Technology Seminar	3	■		■		
!	TECH 46330 Visual Basic Programming in Engineering Technology	3	■		■		
	MIS 34060 Operations Management	3	■		■		

**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 Introduction to Management Technology



**University Requirements Summary**

Type	Categories	Course(s) Satisfying Category	Remaining Requirements
KCM	<b>Kent Core I. Composition</b> Enrollment based on placement test	visit <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	6
KMC	<b>Kent Core II. Mathematics and Critical Reasoning</b> Enrollment based on placement test	MATH 11010	fulfilled
KHU	<b>Kent Core III. Humanities</b> Minimum one course from humanities in Arts and Sciences; may fulfill diversity requirement	visit <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	3
KFA	<b>Kent Core IV. Fine Arts</b> Minimum one course from the fine arts; may fulfill diversity requirement	visit <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	3
KFH	<b>Kent Core V. Humanities or Fine Arts</b> One additional course from either the humanities or fine arts category, may fulfill diversity requirement.		3
KSS	<b>Kent Core VI. Social Sciences</b> Must be selected from two curricular areas; may fulfill diversity requirement	ECON 22060	3
KBS	<b>Kent Core VII. Basic Sciences</b> Must include one laboratory	CHEM 10050, PHY 13001	fulfilled
KAD	<b>Kent Core VIII. Additional</b> May fulfill diversity requirement	COMM 15000, MATH 11022, MATH 12002, PHY 13002	fulfilled
DD	<b>Domestic Diversity Course Requirement</b> Either domestic or global diversity must be from Kent Core	visit <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	one course
DG	<b>Global Diversity Course Requirement</b> Either domestic or global diversity must be from Kent Core	visit <a href="http://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a>	one course
ELR	<b>Experiential Learning Requirement</b> Either course or non-course experience approved by the appropriate faculty member.	TECH 33092	one course or activity
WIC	<b>Writing-Intensive Course Requirement</b> Minimum C (2.000) grade	TECH 31000	one course