

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 [18 Credits]						
Note: Students who have earned an associate degree will have 34 credits of technical coursework articulate to the bachelor's degree program and will not have to take the electives for a minor or individualized specialization.						
	CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming or EERT 22003 Technical Computing	3		■		
	EERT 21010 Engineering and Professional Ethics or TECH 31010 Engineering and Professional Ethics	3		■		
	US 10097 Destination Kent State: First Year Experience ¹	1				
	Kent Core Requirement	3				
	Applied Courses from Associate Degree, Minor or Individualized Specialization ²	8				
Semester Two [17 Credits]						
	MATH 11012 Intuitive Calculus	3			KMC	
	Kent Core Requirement	3				
	Applied Courses from Associate Degree, Minor or Individualized Specialization ²	11				
Semester Three [15 Credits]						
	MATH 11010 Algebra for Calculus	3			KMC	
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	Applied Courses from Associate Degree, Minor or Individualized Specialization ²	6				
Semester Four [18 Credits]						
	ENG 20002 Introduction to Technical Writing or ITAP 26638 Business Communications	3		■		
	MATH 11022 Trigonometry	3			KMC	
	Kent Core Requirement	3				
	Applied Courses from Associate Degree, Minor or Individualized Specialization ²	9				
Semester Five [15 Credits]						
	CDAG, EERT, GAE, MERT, TECH coursework (upper-division)	3		■		
	GAE 42003 Lean Manufacturing, Six Sigma and Operations Technology	3		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	General Electives ³	3				
Semester Six [14 Credits]						
!	TECH 36620 Project Management in Engineering and Technology	3	C	■		
	ITAP 26636 Project Management for Administrative Professionals	1				
	CDAG, EERT, GAE, MERT, TECH coursework (upper-division)	3		■		
	Kent Core Requirement	3				
	General Electives ³	4				
Semester Seven [12 Credits]						
	ECON 22060 Principles of Microeconomics	3			KSS	
	TECH 43080 Industrial and Environmental Safety	3		■		
	CDAG, EERT, GAE, MERT, TECH coursework (upper-division)	3		■		
	General Electives ³	3				
Semester Eight [11-12 Credits]						
!	TAS 47900 Technical and Applied Studies Capstone	3	C	■	ELR	
!	TECH 31000 Cultural Dynamics of Technology or TECH 33092 Cooperative Education - Professional Development	2-3	C ⁴	■	DD/WIC ELR/WIC	
	CDAG, EERT, GAE, MERT, TECH coursework (upper-division)	6		■		

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	2.000	2.000

1. US 10097 is not required of transfer students with 25 credits (excluding College Credit Plus and dual-enrollment credit) or students age 21+ at time of admission.
2. Applied Courses from Associate Degree, Minor or Individualized Specialization (34 credit hours)

Choose from the following:	
ACTT 11000 Accounting I - Financial (4)	BMRT 11000 Introduction to Business (3)
BMRT 11009 Introduction to Management Technology (3)	BMRT 21011 Fundamentals of Financial Management (3)
BMRT 21050 Fundamentals of Marketing Technology (3)	Any CADT course
COMT 20011 Java Programming (3)	COMT 21010 Workgroup Productivity Software (3)
COMT 21092 Computer Practicum (1 - 3)	COMT 21095 Special Topics in Computer Technology (1 - 4)
Any EERT course	Any GAE course
Any IERT course	ITAP 26638 Business Communications (3)
Any MERT course	PHY 12201 Technical Physics I (3)
PHY 12202 Technical Physics II (4)	Others by program director approval

3. Credits required depend on meeting minimum 120 credit hours and minimum 39 upper-division credit hours.
4. To fulfill the writing-intensive requirement, either TECH 31000 or TECH 33056 must be earned with minimum C (2.000) grade.

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

Please read the sections in the University Catalog on [Kent Core](#), [diversity](#), [writing-intensive](#) and the [experiential learning requirements](#).