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 [15 Credits]							
!	**Computer Programming elective** [1]	**3 - 4**			■		
!	**MATH 12002 Analytic Geometry and Calculus I**	**5**			■	KMC	
	US 10097 Destination Kent State: First Year Experience [2]	1					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Two [16 Credits]							
!	**MATH 12003 Analytic Geometry and Calculus II**	**5**			■		
!	**PHY 23101 General University Physics I**	**5**			■	KBS	
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Three [17 Credits]							
!	**MATH 21001 Linear Algebra With Applications**	**3**			■		
!	**MATH 22005 Analytic Geometry and Calculus III**	**4**			■		
	Foreign Language [3]	4 - 5					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Four [16 Credits]							
	Foreign Language [3]	4 - 5					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Allied Area Electives [4]	6	■		■		
Semester Five [15 Credits]							
!	**MATH 41001 Introduction to Modern Algebra I** [5]	**3**	■	C	■	WIC	
	Allied Area Electives [4]	3	■		■		
	General Elective [6]	9					
Semester Six [15 Credits]							
!	**MATH 41002 Introduction to Modern Algebra II** [5]	**3**	■	C	■	WIC	
!	**MATH 41021 Theory of Matrices**	**3**	■		■		
	Allied Area Electives [4]	6	■		■		
	Kent Core Requirement	3					
Semester Seven [13 Credits]							
!	**MATH 42001 Introduction to Analysis I** [5]	**3**	■	C	■	WIC	
	Allied Area Electives [4]	3	■		■		
	CS or MATH elective (40000-level)	3	■		■		
	Kent Core Requirement	1					
	General Elective [6]	3					
Semester Eight [13 Credits]							
!	**MATH 42002 Introduction to Analysis II** [5]	**3**	■	C	■	WIC	
	CS or MATH elective (40000-level)	6	■		■		
	General Elective [6]	4					

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	42	36	2.000	2.000

1. Computer Programming elective (3-4 credits)

Choose from the following:	
CS 10061 Introduction to Computer Programming (3)	CS 13001 Computer Science I-Programming and Problem Solving (4)
DSCI 15310 Computational Thinking and Programming (3)	

2. US 10097 is not required of transfer students with 25 credits or students age 21+ at time of admission.

3. Fulfills College General Requirement

4. Allied Area Electives (18 credits): must be approved by major advisor

Choose from the following:	
BSCI 3/4xxxx BSCI upper-division courses (1 - 18)	CHEM 3/4xxxx CHEM upper-division courses (1 - 18)
CS 3/4xxxx CS upper-division courses (1 - 18)	ECON 3/4xxxx ECON upper-division courses (1 - 18)
GEOL 3/4xxxx GEOL upper-division courses (1 - 18)	MATH 3/4xxxx MATH upper-division courses (1 - 18)
MIS 3/4xxxx MIS upper-division courses (1 - 18)	PHY 3/4xxxx PHY upper-division (1 - 18)
PHIL 41035 Philosophy of Science (3)	PHIL 41038 Intermediate Logic (3)
PHIL 41045 Metalogic (3)	

5. A minimum C (2.000) grade must be earned in MATH 41001 or MATH 41002 or MATH 42001 or MATH 42002 to fulfill the writing-intensive requirement.

6. Credits required depends on meeting minimum 120 credit hours and minimum 42 upper-division credit 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 12002	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	visit www.kent.edu/catalog/kent-core	6
KBS	**Kent Core VII. Basic Sciences** Must include one laboratory	PHY 23101	1
KAD	**Kent Core VIII. Additional** May fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	6
DD	**Domestic Diversity Course Requirement** Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
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	visit www.kent.edu/catalog/elr	one course or activity
WIC	**Writing-Intensive Course Requirement** Minimum C (2.000) grade	MATH 41001, MATH 41002, MATH 42001, MATH 42002	fulfilled