

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 [14 Credits]							
	US 10097 Destination Kent State: First Year Experience ¹	1					
	Foreign Language ²	4 - 5					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Two [16 Credits]							
	Foreign Language ²	4 - 5					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	General Electives ³	3					
Semester Three [14 Credits]							
!	MATH 12002 Analytic Geometry and Calculus I	5			■	KMC	
	Foreign Language ²	3 - 5					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Four [15 Credits]							
!	MATH 12003 Analytic Geometry and Calculus II	5			■		
!	MATH 21001 Linear Algebra with Applications	3			■		
	Foreign Language ²	3 - 5					
	Kent Core Requirement	3					
	General Electives ³	1					
Semester Five [16 Credits]							
!	Computer Programming elective ⁴	3 - 4			■		
!	MATH 22005 Analytic Geometry and Calculus III	4			■		
	College General Requirement ⁵	3					
	College General Requirement ⁵	3					
	Kent Core Requirement ⁶	3					
Semester Six [15 Credits]							
	Kent Core Requirement	3					
	MATH or CS Elective (40000 level)	3	■		■		
	General Electives ³	9	■				
Semester Seven [15 Credits]							
!	MATH elective ⁷	3	■		■	WIC	
	MATH or CS Elective (40000 level)	3	■		■		
	General Electives ³	9	■				
Semester Eight [15 Credits]							
!	MATH elective ⁷	3	■		■	WIC	
	MATH or CS Elective (40000 level)	3	■		■		
	General Electives ³	9	■				

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

- US 10097 is not required of transfer students with 25 credits or students age 21+ at time of admission.
- Fulfills College General Requirement. Foreign Language Note: Students pursuing a Bachelor of Arts degree in the College of Arts and Sciences must have the equivalent of Elementary I and II in any language, plus one of the following options:
 - Intermediate I and II of the same language
 - Elementary I and II of a second language
 - Any combination of two courses from the following list:
 - Intermediate I of the same language
 - MCLS 10001 Introduction to Structural Concepts for Language Students
 - MCLS 20000 Global Literacy and Cultural Awareness
 - MCLS 20091 Seminar: Global Literacy Case Studies

All students with prior foreign language experience should take the foreign language placement test to determine the appropriate level at which to start. Some students may begin their university foreign language experience beyond the Elementary I level and will complete the requirement with fewer credit hours and fewer courses. This may be accomplished by: (1) passing a course beyond Elementary I through Intermediate II level or (2) receiving credit through Credit by Exam (CBE), the College Level Examination Program (CLEP), the Advanced Placement (AP) exam or credit through the International Baccalaureate (IB) program; or (3) being designated a "native speaker" of a non-English language (consult with the College of Arts and Sciences Advising Office for additional information). When students complete the requirement with fewer than 14 credit hours and four courses, they will complete remaining hours with general electives.
- Minimum 27 upper-division credit hours. Credits required depends on meeting minimum 120 credit hours and minimum 42 upper-division credit hours

4. Computer Programming elective (3-4 credits)

Choose from the following:

CS 10051 Introduction to Computer Science ^{KAD} (4)	CS 10061 Introduction to Computer Programming (3)
CS 13001 Computer Science I-Programming and Problem Solving (4)	DSCI 15310 Computational Thinking and Programming (3)

5. • One additional course taken from the Kent Core Basic Science courses in the following Arts and Sciences disciplines: Anthropology (ANTH), Biological Sciences (BSCI), Chemistry (CHEM), Geography (GEOG), Geology (GEOL) or Physics (PHY). Students may take the courses listed in the "introductory" sequences with the restrictions noted above in the Kent Core Basic Science section. The course may not be from the student's major.

• One additional course taken from the Kent Core Social Sciences courses in the following Arts and Sciences disciplines: Anthropology (ANTH), Applied Conflict Management (CACM), Geography (GEOG), Criminology and Justice Studies (JUS), Political Science (POL), Psychology (PSYC) or Sociology (SOC). The course may not be from the student's major.

6. Take Kent Core Requirement if CS 10051 is not chosen from Group 2

7. MATH Elective (6 credits) – all course fulfill the Writing-Intensive Requirement

Choose from the following:

MATH 41001 Introduction to Modern Algebra I (3) and MATH 41002 Introduction to Modern Algebra II (3)	MATH 42001 Introduction to Analysis I (3) and MATH 42002 Introduction to Analysis II (3)
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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	visit www.kent.edu/catalog/kent-core	6
KAD	Kent Core VIII. Additional May fulfill diversity requirement	4 credits fulfilled if CS 10051 is chosen from Computer Programming elective	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 or MATH 41002 or MATH 42001 or MATH 42002	one course