

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]							
Note: Placement in MATH courses may require additional coursework before the spring semester in first year of enrollment							
!	BSCI 10110 Biological Diversity	4			■	KBS	
	MATH 11010 Algebra for Calculus	3			■	KMC	
	US 10097 Destination Kent State: First Year Experience ¹	1					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Two [16 Credits]							
!	BSCI 10120 Biological Foundations	4			■	KBS	
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Three [14 Credits]							
!	CHEM 10060 General Chemistry I	4			■	KBS	
!	CHEM 10062 General Chemistry I Laboratory	1			■	KBS	
	MATH 11022 Trigonometry	3			■	KAD	
	Kent Core Requirement	3					
	General Electives ²	3					
Semester Four [15 Credits]							
!	BSCI 30156 Elements of Genetics	3	■		■		
!	CHEM 10061 General Chemistry II	4			■	KAD	
!	CHEM 10063 General Chemistry II Laboratory	1			■	KBS	
	College General Requirement (must be from Kent Core Social Sciences) ³	3					
	General Electives ²	4					
Semester Five [14 Credits]							
	Foreign Language ⁴	4 - 5					
	Biology Electives ⁵	7	■		■		
	General Electives ²	3					
Semester Six [16 Credits]							
	Foreign Language ⁴	4 - 5					
	Biology Electives ⁵	3	■		■		
	General Electives ²	9	■				
Semester Seven [16 Credits]							
	BSCI 40163 Evolution	3	■		■		
	BSCI 40600 Writing in the Biological Sciences ⁶	1	■	C	■	WIC	
	Foreign Language ⁴	3 - 5					
	Biology Electives ⁵	3	■		■		
	General Electives ²	6	■				
Semester Eight [15 Credits]							
	Foreign Language ⁴	3 - 5					
	Biology Electives ⁵	3	■		■		
	General Electives ²	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

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

2. Credits required depends on meeting minimum 120 credit hours and minimum 42 upper-division credit hours

3. 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.

4. Fulfills College General Requirements. 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:

- a. Intermediate I and II of the same language
- b. Elementary I and II of a second language
- c. 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.

5. 11 credit hours must be upper-division. Students should consult with a biology advisor to determine the most appropriate courses given their disciplinary interests and career aspirations. A maximum of 6 credit hours total of any combination of the following courses may be used toward fulfilling electives:

BSCI 40099 Senior Honors Thesis (1-10)	BSCI 40191 Senior Seminar
BSCI 40192 Internship in Biological Science (1-12)	BSCI 40193 Variable Title Workshop in Biological Sciences (1-6)
BSCI 40196 Individual Investigation (1-3)	

6. A minimum C (2.000) grade must be earned in BSCI 40600 to fulfill the writing-intensive requirement.

Note: All courses taken from the list of major program requirements are used in the calculation of the major GPA

The following courses may not be used in the elective category for majors or minors in the Department of Biological Sciences	
BSCI 10001 Human Biology	BSCI 10002 Life on Planet Earth
BSCI 10003 Laboratory Experience in Biology	BSCI 10100 Anatomy for Veterinary Technicians
BSCI 11001 Anatomy for Physical and Occupational Therapy	BSCI 11010 Anatomy and Physiology I for Allied Health
BSCI 11020 Anatomy and Physiology II for Allied Health	BSCI 16001 Horticultural Botany
BSCI 20020 Biological Structure and Function	BSCI 20021 Basic Microbiology
BSCI 20022 Basic Microbiology Lab	BSCI 26002 Ecological Principles of Pest Management
BSCI 26003 Plant Identification and Selection I	BSCI 26004 Plant Identification and Selection II
BSCI 30050 Human Genetics	BSCI 40020 Biology of Aging

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	visit www.kent.edu/catalog/kent-core	6
KBS	Kent Core VII. Basic Sciences Must include one laboratory	BSCI 10110, BSCI 10120, CHEM 10060, CHEM 10062, CHEM 10063	fulfilled
KAD	Kent Core VIII. Additional May fulfill diversity requirement	CHEM 10061, MATH 11022	fulfilled
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	BSCI 40600	fulfilled