

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 [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		■	KMC	
	Kent Core Requirement	3				
	General Electives ²	3				
Semester Four [15 Credits]						
!	BSCI 30156 Elements of Genetics	3		■		
!	CHEM 10061 General Chemistry II	4		■	KBS	
!	CHEM 10063 General Chemistry II Laboratory	1		■	KBS	
	College General Requirement 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	1	C ⁶	■	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 30000 – 40000 level course	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	42	36	2.00	2.00

- US 10097 is not required of transfer students with 25 credits (excluding College Credit Plus and dual-enrollment) or students age 21+ at time of admission.
- Credits required depend on meeting minimum 120 credit hours and minimum 42 upper-division credit hours
- 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 (CRIM), Political Science (POL), Psychology (PSYC) or Sociology (SOC). The course may not be from the student's major.
- Fulfills College General Requirements.

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 (1)
BSCI 40192 Internship in Biological Sciences (3-12)	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.

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 Foundational Anatomy and Physiology I
BSCI 11020 Foundational Anatomy and Physiology II	BSCI 16001 Horticultural Botany
BSCI 20020 Biological Structure and Function	BSCI 20021 Basic Microbiology
BSCI 20022 Basic Microbiology Laboratory	BSCI 21010 Anatomy and Physiology I
BSCI 21020 Anatomy and Physiology II	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

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:
 - i. Intermediate I of the same language
 - ii. MCLS 10001 Introduction to Structural Concepts for Language Students
 - iii. MCLS 20000 Global Literacy and Cultural Awareness
 - iv. MCLS 20091 Seminar: Global Literacy Case Studies
 - v. MCLS 21417 Multiculturalism in Today's Germany
 - vi. MCLS 22217 Diversity in Today's Russia
 - vii. MCLS 23217 The Francophone Experience
 - viii. MCLS 28404 The Latin American Experience
 - ix. MCLS 28405 The Spanish Experience

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.

University Requirements: Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core; Diversity Course Requirement – www.kent.edu/catalog/diversity; Writing-Intensive Course Requirement – www.kent.edu/catalog/wic; Experiential Learning Requirement – www.kent.edu/catalog/elr.

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