



This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designated as critical (in boldface and shaded areas) must be completed in the semester listed to ensure a timely graduation.

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
<b>Semester One: [14 Credit Hours]</b>					
<b>Placement in MATH courses may require additional coursework before the spring semester in first year of enrollment</b>					
<b>BSCI 10110 Biological Diversity</b>	4			■	<b>Fulfills Kent Core Basic Sciences</b>
MATH 11010 Algebra for Calculus	3			■	Fulfills Kent Core Mathematics and Critical Reasoning
US 10097 Destination Kent State: FYE	1				Not required for transfer students with 25 credits
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
<b>Semester Two: [16 Credit Hours]</b>					
<b>BSCI 10120 Biological Foundations</b>	4			■	<b>Fulfills Kent Core Basic Sciences</b>
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
Kent Core Requirement	3				
Kent Core Requirement	3				
<b>Semester Three: [16 Credit Hours]</b>					
<b>CHEM 10060 General Chemistry I</b>	4			■	<b>Fulfills Kent Core Additional</b>
<b>CHEM 10062 General Chemistry I Laboratory</b>	1			■	<b>Fulfills Kent Core Basic Sciences</b>
MATH 11022 Trigonometry	2			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
General Electives (lower or upper division)	6				
<b>Semester Four: [13 Credit Hours]</b>					
<b>BSCI 30156 Elements of Genetics</b>	3	■		■	
<b>CHEM 10061 General Chemistry II</b>	4			■	<b>Fulfills College General Requirement</b>
<b>CHEM 10063 General Chemistry II Laboratory</b>	1			■	<b>Fulfills Kent Core Basic Sciences</b>
Kent Core Requirement	2				See Kent Core Summary on page 2
College General Requirement	3				Must be from Kent Core Social Science; see note 2 on page 2
<b>Semester Five: [14-15 Credit Hours]</b>					
Foreign Language (Elementary I)	4-5				Fulfills College General Requirement
BSCI Electives (2 credits must be upper division)	7			■	Consult with advisor; see note on page 2
General Electives	3				
<b>Semester Six: [16-17 Credit Hours]</b>					
Foreign Language (Elementary II)	4-5				Fulfills College General Requirement
BSCI Elective (upper division)	3	■		■	Consult with advisor; see note on page 2
General Electives (upper division)	9	■			
<b>Semester Seven: [16-18 Credit Hours]</b>					
BSCI 40163 Organic Evolution	3	■		■	
BSCI 40600 Writing in the Biological Sciences	1	■	C	■	Fulfills writing-intensive course requirement
Foreign Language (Intermediate I)	3-5				Fulfills College General Requirement
BSCI Elective (upper division)	3	■		■	Consult with advisor; see note on page 2
General Electives (upper division)	6	■			
<b>Semester Eight: [16-18 Credit Hours]</b>					
Foreign Language (Intermediate II)	3-5				Fulfills College General Requirement
BSCI Elective (upper division)	3	■		■	Consult with advisor; see note below
General Electives (upper division)	10	■			Number of credits required depends on meeting minimum 121 credit hours and minimum 42 upper-division credit hours



### Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Diversity Course Global / Domestic	Writing-Intensive	Minimum Major GPA	Minimum Overall GPA
121	42	36	Kent Core or General Electives	BSCI 40600	2.0	2.0

### Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
<b>Composition (6-8 credit hours)</b> <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
<b>Mathematics and Critical Reasoning (3-5 credit hours)</b>	Fulfilled in this major with MATH 11010	0
<b>Humanities and Fine Arts (9 credit hours)</b> <i>Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts</i>	May fulfill diversity requirement	9
<b>Social Sciences (6 credit hours)</b> <i>Must be selected from two curricular areas</i>		6
<b>Basic Sciences (6-7 credit hours)</b> <i>Must include one laboratory</i>	Fulfilled in this major with BSCI 10110, BSCI 10120 and CHEM 10062	0
<b>Additional (6 credit hours)</b> <i>Must be selected from two Kent Core categories</i>	4 credits fulfilled in this major with CHEM 10060; may fulfill diversity requirement	2

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

**Note 1:** Any combination of BSCI courses. Students should consult with a biology advisor to determine the most appropriate courses given their disciplinary interests and career aspirations.

**Note 2:** 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.

### The following Biological Sciences (BSCI) courses may not be used in the elective category for majors or the minor in the Department of Biological Sciences:

10001 Human Biology	11010 Anatomy and Physiology I for Allied Health	20022 Basic Microbiology Lab
10002 Life on Planet Earth	11020 Anatomy and Physiology II for Allied Health	26002 Ecological Principles of Pest Mgmt
10003 Laboratory Experience in Biology	16001 Horticultural Botany	26003 Plant Identification and Selection I
10010 Lake Erie Environmental Science	20001 Zoological Foundations of Medicine	26004 Plant Identification and Selection II
10100 Anatomy for Veterinary Technicians	20020 Biological Structure and Function	30050 Human Genetics
11001 Anatomy for Physical and Occupation Therapists	20021 Basic Microbiology	40020 Biology of Aging

#### Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit [www.kent.edu/catalog/kent-core](http://www.kent.edu/catalog/kent-core) for course list.

#### Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit [www.kent.edu/catalog/diversity](http://www.kent.edu/catalog/diversity) for course list.

#### Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade. Visit [www.kent.edu/catalog/wic](http://www.kent.edu/catalog/wic) for course list.

#### Upper-Division Requirement

Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.

#### Foreign Language

Visit [www.kent.edu/catalog/foreign-languages](http://www.kent.edu/catalog/foreign-languages) for course list.

