Roadmap: BA Bio – BA-CS – Degree
[Banner code]
College name
Department or school name (if one)
Catalog Year: 2012-2013

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
Semester One: [14 Credit Hours]					
Note: Placement in MATH courses may require additional coursework before the spring semester in first year of enrollment					
BSCI 10110 Biological Diversity	**4**			■	**Fulfills Kent Core Basic Sciences**
MATH 11010 Algebra for Calculus	**3**			■	Fulfills Kent Core Mathematics and Critical Reasoning
Kent Core Requirement	**3**				See Kent Core Summary on page 2
US 10097 Destination Kent State: First Year Experience	1				Not required of transfer students with 25 credits
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Two: [16 Credit Hours]					
BSCI 10120 Biological Foundations	**4**			■	**Fulfills Kent Core Basic Sciences**
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
Kent Core Requirement	3				
Kent Core Requirement	3				
Summer I: [7 Credit Hours]					
CS 13001 Computer Science I: Programming and Problem Solving	4		C	■	
CS 23022 Discrete Structures for Computer Science	3			■	
Semester Three: [14 Credit Hours]					
CHEM 10060 General Chemistry I	**4**			■	**Fulfills College General Requirement Basic Sciences**
CHEM 10062 General Chemistry I Laboratory	**1**			■	**Fulfills Kent Core Basic Sciences**
MATH 11022 Trigonometry	3			■	Fulfills Kent Core Additional
Kent Core Requirements	3				See Kent Core Summary on page 2
College General Requirement	3				Must be from Kent Core Social Sciences; see note 1
Semester Four: [15-16 Credit Hours]					
BSCI 30156 Elements of Genetics	**3**			■	
CHEM 10061 General Chemistry II	**4**			■	**Fulfills Kent Core Additional**
CHEM 10063 General Chemistry II Laboratory	**1**			■	**Fulfills Kent Core Basic Sciences**
CS 35101 Computer Architecture	3	■		■	
Foreign Language Requirement (Elementary I)	4-5				Fulfills College General Requirement; see foreign language note
Summer II: [4 Credit Hours]					
CS 23001 Computer Science II: Data Structures and Abstraction	**4**		**C**	■	
Semester Five: [14-15 Credit Hours]					
Foreign Language Requirement (Elementary II)	4-5				Fulfills College General Requirement; see foreign language note
BSCI Elective (2 credits must be upper division)	7			■	Consult with advisor; see note on page 2
CS 33211 Operating Systems	3	■		■	

Critical requirements are boldface in shaded areas.

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester Six: [15-17 Credit Hours]					
Foreign Language Requirement	**3-5**				**Fulfills College General Requirement; see foreign language note**
BSCI Elective (upper division)	3	■		■	Consult with advisor; see note on page 2
CS 33101 Structure of Programming Languages	3	■		■	
CS Electives (upper division)	6	■		■	Consult with advisor; see note on page 2
Semester Seven: [16-18 Credit Hours]					
BSCI 40163 Organic Evolution	**3**	■		■	
BSCI 40600 Writing in the Biological Sciences	1	■	C	■	Fulfills writing-intensive course requirement
Foreign Language Requirement	3-5				
BSCI Elective (upper division)	3	■		■	
CS Electives (upper division)	6	■		■	
Semester Eight: [12 Credit Hours]					
BSCI Elective (upper division)	**3**				Consult with advisor; see note below
CS Electives (upper division)	9				Consult with advisor; see note below

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Global / Domestic Diversity Course	Writing-Intensive	Experiential Learning	Minimum		
							Major GPA	Overall GPA
121	39	36			Visit kent.edu/catalog/elr			

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) *ENG 11002, 11011, 21011; HONR 10197, 10297*	Enrollment based on placement test	6-8
Mathematics and Critical Reasoning (3-5 credit hours)	Enrollment based on placement test	3-5
Humanities and Fine Arts (9 credit hours) *Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts*	May fulfill diversity requirement	9
Social Sciences (6 credit hours) *Must be selected from two curricular areas*	May fulfill diversity requirement	6
Basic Sciences (6-7 credit hours) *Must include one laboratory*		6-7
Additional (6 credit hours) *Must be selected from two Kent Core categories*	May fulfill diversity requirement	6

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 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 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 for course list.

Experiential Learning Requirement
To provide students with direct engagement in learning experiences that promote academic relevance, meaning and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr 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.

Note: 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: Students should consult with a CS advisor to determine the most appropriate courses given their disciplinary interests and career aspirations.