

[AS-BS-BOT]
College of Arts and Sciences

Department of Biological Sciences 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.

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			See Kent Core Summary on page 2
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•		•	See note 3 on page 2
		•	Fulfills Kent Core Mathematics and Critical Reasoning
			Fulfills College General Requirement
		•	See note 2 on page 2
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			Fulfills College General Requirement
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# **Graduation Requirements Summary**

Minimum	Minimum Upper-	Minimum	Global / Domestic	Writing-	Experiential	Mini	mum
Total Hour	Division Hours	Kent Core Hours	Diversity Course	Intensive	Learning	Major GPA	Overall GPA
121	42	36	Kent Core or General Electives	BSCI 40060	Visit <u>www.kent.edu/catalog/elr</u>	2.000	2.000

**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)	Fulfilled in this major with MATH 12002	0	
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	Fulfilled in this major with BSCI 10110, CHEM 10060, CHEM 10061, CHEM 10062 and CHEM 10063	0	
Additional (6 credit hours)  Must be selected from two Kent Core categories	4 credits fulfilled in this major with BSCI 10120; may fulfill diversity requirement	2	

Note 1: CHEM 20482 or 30482 may be substituted with CHEM 30284 Introductory Biological Chemistry with faculty advisor approval.

#### Note 2: Botany core courses (12 credit hours), choose from the following:

BSCI 30267 Plant Physiology	4	BSCI 40164 Molecular Systematics and Phylogenetics	4
BSCI 30274 Forestry	3	BSCI 40272 Plant Anatomy	4
BSCI 30275 Local Flora	4	BSCI 40277 Morphology of Lower Plants	4
BSCI 30277 Economic Botany	2		

### Note 3: BSCI and/or CHEM and/or PHY electives (26 credit hours\*), choose from the following:

BSCI courses** (in consultation with advisor)	11-26	PHY 13001 General College Physics I <i>and</i>	
CHEM 20482 Basic Organic Chemistry II or CHEM 30482 Organic Chemistry II	2-3	PHY 13021 General College Physics Laboratory I OR PHY 23101 General University Physics I	5
CHEM 30475 Organic Chemistry Laboratory I	1	PHY 13002 General College Physics II <b>and</b> PHY 13022 General College Physics Laboratory II	_
CHEM 30476 Organic Chemistry Laboratory II	1	OR PHY 23102 General University Physics II	5

<sup>\*</sup>Maximum 4 credit hours of these courses may be satisfactory/unsatisfactory (S/U) graded.

## \*\*Must choose one of the following:

Maximum 6 credit hours of any combination of the following may be used to fulfilling this elective (enrollment in these courses must be determined with a faculty advisor):

BSCI 30005 Career Pathways in Biology	1	1 BSCI 40192 Internship in Biological Sciences [ELR]	
BSCI 40099 Senior Honors Thesis [ELR]	1-3	1-3 BSCI 40196 Individual Investigation	
BSCI 40191 Senior Seminar	1	ELR fulfills experiential learning requireme	

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

# 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	26002 Ecological Principles of Pest Mgmt	
10002 Life on Planet Earth	11020 Anatomy and Physiology II for Allied Health	26003 Plant Identification and Selection I	
10003 Laboratory Experience in Biology	16001 Horticultural Botany	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	20021 Basic Microbiology	40020 Biology of Aging	
Therapists	20022 Basic Microbiology Lab		

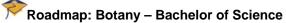
#### Kent Core

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 <a href="https://www.kent.edu/catalog/kent-core">www.kent.edu/catalog/kent-core</a> 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 <a href="https://www.kent.edu/catalog/diversity">www.kent.edu/catalog/diversity</a> for course list.





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# **Writing-Intensive Course Requirement**

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.000) grade. Visit <a href="www.kent.edu/catalog/wic">www.kent.edu/catalog/wic</a> for course list.

#### **Experiential Learning Requirement (ELR)**

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 <a href="https://www.kent.edu/catalog/elr">www.kent.edu/catalog/elr</a> 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 for course list.

