



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: [17 Credit Hours]					
BSCI 10110 Biological Diversity	4		C	■	Fulfills Kent Core Basic Sciences
MATH 11010 Algebra for Calculus	3				Fulfills Kent Core Mathematics and Critical Reasoning
PHIL 11001 Introduction to Philosophy	3				Fulfills Kent Core Humanities and global diversity requirement
PSYC 11762 General Psychology	3				Fulfills Kent Core Social Sciences and domestic diversity requirement
US 10097 Destination Kent State: First Year Experience	1				Not required of transfer student with 25 credits
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Two: [19 Credit Hours]					
Note: successful completion of Praxis I in Reading (174 score), Writing (172 score) and Mathematics (174 score)					
BSCI 10120 Biological Foundations	4		C	■	Fulfills Kent Core Basic Sciences
CULT 29535 Education in Democratic Society	3		C		
MATH 11022 Trigonometry	3				Course may be waived based on placement; fulfills Kent Core Mathematics and Critical Reasoning
SOC 12050 Introduction to Sociology	3				Fulfills Kent Core Social Sciences and domestic diversity requirement
Kent Core Requirements	3				See Kent Core Summary on page 2
Kent Core Requirements	3				
Semester Three: [17 Credit Hours]					
Requirement: minimum 2.750 cumulative GPA by end of term and minimum 2.600 major GPA					
CHEM 10060 General Chemistry I	4		C	■	Fulfills Kent Core Basic Sciences
CHEM 10062 General Chemistry I Laboratory	1		C	■	
MATH 12002 Analytical Geometry and Calculus I	5				Fulfills Kent Core Additional
GEOL 11040 Earth Dynamics	3		C	■	Fulfills Kent Core Additional
GEOL 11041 Earth Dynamics Laboratory	1		C	■	Fulfills Kent Core Basic Sciences
Kent Core Requirements	3				See Kent Core Summary on page 2
Semester Four: [16 Credit Hours]					
Requirement: minimum 2.750 cumulative GPA and minimum 2.600 major GPA;					
Note: apply online for Advanced Study before the second Friday of the term					
CHEM 10061 General Chemistry II	4		C	■	Fulfills Kent Core Basic Sciences
CHEM 10063 General Chemistry II Laboratory	1		C	■	
EPSY 29525 Educational Psychology	3		C		
BSCI 30156 Elements of Genetics	3	■	C	■	
PHY 13001 General College Physics I	4		C	■	Fulfills Kent Core Basic Sciences
PHY 13021 General College Physics I Laboratory	1		C	■	
Semester Five: [18 Credit Hours]					
Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA; Note: apply for student teaching					
ADED 32142 Principles of Teaching Adolescents	3	■	C		Fulfills writing-intensive course requirement; offered in fall only
ITEC 19525 Educational Technology	3		C		
CHEM 20481 Basic Organic Chemistry I	4	■	C	■	Typically offered in fall and summer only
CI 47330 Reading and Writing in Adolescence/Adulthood	3	■	C		
PHY 13002 General College Physics II	4		C	■	Fulfills Kent Core Basic Sciences
PHY 13022 General College Physics II Laboratory	1		C	■	


Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester Six: [18 Credit Hours]					
Requirement: minimum 2.750 cumulative GPA and minimum 2.600 major GPA					
ADED 32277 Teaching Science in Secondary Schools	3	■	C		Offered in spring only
BSCI 40163 Organic Evolution	3	■	C	■	
CHEM 30284 Introduction to Biological Chemistry	4	■	C	■	Typically offered in spring and summer only
CHEM 30301 Inorganic Chemistry I	2	■	C	■	Offered in spring only
MATH 10041 Elementary Probability and Statistics or MATH 30011 Basic Probability and Statistics	3				
SPED 23000 Introduction to Exceptionalities	3		C		Fulfills domestic diversity requirement
Semester Seven: [18 Credit Hours]					
Requirement: minimum 2.750 cumulative GPA and minimum 2.600 major GPA; Note: apply for graduation					
ADED 42277 Topics in Secondary Schools Science	3	■	C		
ADED 42292 Field Work Practicum	3	■	C		Fulfills experiential learning requirement
BSCI 30140 Cell Biology	4	■	C	■	
BSCI 30360 General Ecology	4	■	C	■	
CHEM 30105 Analytical Chemistry I	3	■	C	■	
CHEM 30475 Organic Chemistry Laboratory	1	■	C	■	
Semester Eight: [12 Credit Hours]					
Requirement: minimum 2.750 cumulative GPA and minimum 2.600 major GPA					
ADED 42357 Secondary Student Teaching	9	■	S		Fulfills experiential learning requirement
ADED 49525 Inquiry into Professional Practice	3	■	C		

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	Minimum Overall GPA
135	39	36	PHIL 110012 / SPED 23000	ADED 32142	ADED 42292 or ADED 42357	2.600	2.750

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test; a grade of C must be earned for both courses	6-8
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major MATH 11010 and MATH 11022	0
Humanities and Fine Arts (9 credit hours) <i>Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts</i>	3 credit hours are fulfilled in this major with PHIL 11001	6
Social Sciences (6 credit hours) <i>Must be selected from two curricular areas</i>	Fulfilled in this major PSYC 11762 and SOC 12050	0
Basic Sciences (6-7 credit hours) <i>Must include one laboratory</i>	Fulfilled in the major with BSCI 10110 and 10120; CHEM 10060, 10061, 10062 and 10063; PHY 13001 and 130021	0
Additional (6 credit hours)	Fulfilled in this major with GEOL 11040 and MATH 12002	0

Special Major Notes:

Licensure Requirement (not required for graduation):

Candidates seeking Ohio licensure are required to pass specific assessments in order to apply for licensure. See [Ohio Department of Education-Educator Preparation](#) website for more information on assessments specific to licensure type. Taking and passing the licensure tests prior to graduation is encouraged but not required.

Students who pass 15 credits of non-remedial academic coursework each fall and spring semester and the 1-credit First Year Experience course will accumulate 121 credits in four years. This major requires 135 credits for graduation. Students can stay on track for graduation by:

- Declaring their major as freshmen and completing all courses in sequence (bear in mind that switching majors may cause a delay in graduation);
- Prioritizing required courses above electives;
- Meeting regularly with their academic advisors to stay on track;
- Passing each required course the first time attempted and maintaining the minimal GPA for the major;
- Successfully completing more than 15 credit hours of relevant coursework (field-based work, internship) during academic semesters; and/or
- Completing relevant coursework (field-based work, internship) during summer sessions.



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 (2.000) 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.

