



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>BSCI 10120 Biological Foundations</b>	4		C	■	<b>Fulfills Kent Core Basic Sciences</b>
MATH 11010 Algebra for Calculus	3				Fulfills Kent Core Mathematics and Critical Reasoning
PSYC 11762 General Psychology	3				Fulfills Kent Core Social Sciences and domestic diversity requirement
US 10097 Destination Kent State: FYE	1				Not required of transfer students with 25 credits
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Two: [16 Credit Hours]</b>					
<b>Requirement: pass Praxis I Reading (score 174), Writing (score 172) and Mathematics (score 174)</b>					
<b>BSCI 10110 Biological Diversity</b>	4		C	■	<b>Fulfills Kent Core Basic Sciences</b>
<b>CULT 29535 Education in a Democratic Society</b>	3		C		
MATH 11022 Trigonometry	3				Fulfills Kent Core Mathematics and Critical Reasoning
SOC 12050 Introduction to Sociology	3				Fulfills Kent Core Social Sciences and domestic diversity requirement
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Three: [16 Credit Hours]</b>					
<b>CHEM 10060 General Chemistry I</b>	4		C	■	<b>Fulfills Kent Core Basic Sciences</b>
<b>CHEM 10062 General Chemistry Laboratory I</b>	1		C	■	
<b>MATH 12002 Analytical Geometry and Calculus I</b>	5				<b>Fulfills Kent Core Additional</b>
PHIL 11001 Introduction to Philosophy	3				Fulfills Kent Core Humanities and global diversity requirement
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Four: [14 Credit Hours]</b>					
<b>CHEM 10061 General Chemistry II</b>	4		C	■	<b>Fulfills Kent Core Additional</b>
<b>CHEM 10063 General Chemistry Laboratory II</b>	1		C	■	
<b>EPSY 29525 Educational Psychology</b>	3		C		
BSCI 30156 Elements of Genetics	3	■	C	■	
SPED 23000 Introduction to Exceptionalities	3		C		Fulfills domestic diversity course requirement
<b>Semester Five: [15 Credit Hours]</b>					
<b>Requirement: minimum 2.750 cumulative GPA required by end of term; minimum 2.600 major GPA</b>					
BSCI 30140 Cell Biology	4	■	C	■	
CHEM 20481 Basic Organic Chemistry I	4		C	■	
GEOL 11040 Earth Dynamics	3		C	■	Fulfills Kent Core Basic Sciences
GEOL 11041 Earth Dynamics Laboratory	1		C	■	
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Six: [15 Credit Hours]</b>					
<b>Requirement: apply online and be accepted for Advanced Study by the second Friday of the term; 2.750 cumulative GPA; minimum 2.600 major GPA</b>					
BSCI 30360 General Ecology	4	■	C	■	
CHEM 30284 Introduction to Biological Chemistry	4	■	C	■	
GEOG 41073 Conservation of Natural Resources	3	■	C	■	
GEOL 11042 Earth History	3		C	■	Fulfills Kent Core Basic Sciences
GEOL 11043 Earth History Laboratory	1		C	■	



**Critical requirements are boldface in shaded areas.**

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
<b>Semester Seven: [14 Credit Hours]</b>					
<b>Requirement: apply for student teaching; minimum 2.750 cumulative GPA; minimum 2.600 major GPA</b>					
<b>ADED 32142 Principles of Teaching Adolescents</b>	<b>3</b>	■	<b>C</b>		<b>Fulfills writing-intensive course requirement; offered in fall only</b>
<b>ITEC 19525 Educational Technology</b>	<b>3</b>		<b>C</b>		
CI 47330 Reading and Writing in Adolescence	3	■	C		
PHY 13001 General College Physics I	4		C	■	Fulfills Kent Core Basic Sciences
PHY 13021 General College Physics I Laboratory	1		C	■	
<b>Semester Eight: [14 Credit Hours]</b>					
<b>Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA</b>					
<b>ADED32277 Teaching Science in Secondary Schools</b>	<b>3</b>	■	<b>C</b>		
BSCI 40163 Organic Evolution	3	■	C	■	
GEOL 21062 Environmental Geology	3		C	■	
PHY 13002 General College Physics II	4		C	■	Fulfills Kent Core Basic Sciences
PHY 13022 General College Physics II Laboratory	1		C	■	
<b>Semester Nine: [15 Credit Hours]</b>					
<b>Requirement: apply for graduation; minimum 2.750 cumulative GPA; minimum 2.600 major GPA</b>					
<b>ADED 42277 Topics in Secondary School Science</b>	<b>3</b>	■	<b>C</b>		
<b>ADED 42292 Field Work Practicum</b>	<b>3</b>	■	<b>C</b>		<b>Fulfills experiential learning requirement</b>
GEOG 31062 Fundamentals of Meteorology	3	■	C	■	
MATH 10041 Elementary Probability and Statistics or MATH 30011 Basic Probability and Statistics	3				
PHY 21430 Frontiers in Astronomy	3		C	■	Fulfills Kent Core Basic Sciences
<b>Semester Ten: [12 Credit Hours]</b>					
<b>Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA</b>					
<b>ADED 42357 Secondary Student Teaching</b>	<b>9</b>	■	<b>S</b>		<b>Offered in spring only; fulfills experiential learning requirement</b>
<b>ADED 49525 Inquiry into Professional Practice</b>	<b>3</b>	■	<b>C</b>		

**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
145	39	36	PHIL 11001 / SPED 23000	ADED 32142	ADED 42292 and 42357	2.600	2.750

**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; a grade of C must be earned for both courses	6-8
<b>Mathematics and Critical Reasoning (3-5 credit hours)</b>	Fulfilled in this major MATH 11010 or MATH 11022	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>	3 credit hours are fulfilled in this major with PHIL 11001	6
<b>Social Sciences (6 credit hours)</b> <i>Must be selected from two curricular areas</i>	Fulfilled in this major PSYC 11762 and SOC 12050	0
<b>Basic Sciences (6-7 credit hours)</b> <i>Must include one laboratory</i>	Fulfilled in the major with BSCI 10110 and 10120; CHEM 10060 and 10062; GEOL 11040 and 11041	0
<b>Additional (6 credit hours)</b> <i>Must be selected from two Kent Core categories</i>	Fulfilled in this major with CHEM 10061 and MATH 12002	0

**Special Notes for Degree/Major:**

1. Pass Praxis II "Principles of Learning and Teaching" and specialty test.
2. Apply for teaching license (pick up licensure packet in 304 White Hall).



**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 (2.000) grade. Visit [www.kent.edu/catalog/wic](http://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](http://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.