



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: [16 Credit Hours]</b>					
<b>Note: 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>
<b>CHEM 10060 General Chemistry I</b>	4			■	<b>Fulfills Kent Core Basic Sciences</b>
<b>CHEM 10062 General Chemistry I Laboratory</b>	1			■	<b>Fulfills Kent Core Basic Sciences</b>
US 10097 Destination Kent State: First Year Experience	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: [15 Credit Hours]</b>					
<b>BSCI 10120 Biological Foundations</b>	4			■	<b>Kent Core Additional</b>
<b>CHEM 10061 General Chemistry II</b>	4			■	<b>Fulfills Kent Core Basic Sciences</b>
<b>CHEM 10063 General Chemistry II Laboratory</b>	1			■	<b>Fulfills Kent Core Basic Sciences</b>
MATH 11010 Algebra for Calculus	3			■	Fulfills Kent Core Mathematics and Critical Reasoning
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Three: [14 Credit Hours]</b>					
<b>BSCI 30140 Cell Biology</b>	4	■		■	
<b>CHEM 20481 Basic Organic Chemistry I</b>	4			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
<b>Semester Four: [14 Credit Hours]</b>					
<b>BSCI 30030 Human Physiology</b>	4	■		■	
<b>BSCI 30050 Human Genetics</b>	3	■		■	
<b>CHEM 30105 Analytical Chemistry I</b>	3	■		■	
<b>CHEM 30107 Analytical Chemistry Laboratory I</b>	1	■	C	■	<b>Fulfills writing-intensive course requirement</b>
MATH 11022 Trigonometry	3			■	Fulfills Kent Core Additional
<b>Semester Five: [16 Credit Hours]</b>					
<b>BSCI 30171 General Microbiology</b>	4	■		■	
<b>BSCI 40581 Animal Parasitology</b>	4	■		■	
<b>CHEM 30301 Inorganic Chemistry I</b>	2	■		■	
MATH 30011 Basic Probability and Statistics	3	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Six: [15 Credit Hours]</b>					
<b>BSCI 40174 Immunology</b>	3	■		■	
<b>CHEM 30284 Introductory Biological Chemistry</b>	4	■		■	
CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming	3			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	2-3				



Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
<b>Semester Seven: [16 Credit Hours]</b>					
<b>CLS 49010 Clinical Microbiology: Theory</b>	4	■		■	<b>Students who complete the required clinical experiences fulfill the university's experiential learning requirement.</b>
<b>CLS 49011 Clinical Microbiology: Applications</b>	4	■		■	
<b>CLS 49012 Clinical Immunology: Theory</b>	1	■		■	
<b>CLS 49013 Clinical Immunology: Applications</b>	1	■		■	
<b>CLS 49014 Clinical Mycology: Theory and Applications</b>	1	■		■	
<b>CLS 49015 Clinical Parasitology: Theory and Applications</b>	1	■		■	
<b>CLS 49020 Clinical Chemistry: Theory</b>	4	■		■	
<b>Semester Eight: [16 Credit Hours]</b>					
<b>CLS 49021 Clinical Chemistry: Applications</b>	4	■		■	<b>Students who complete the required clinical experiences fulfill the university's experiential learning requirement.</b>
<b>CLS 49022 Urinalysis: Theory</b>	1	■		■	
<b>CLS 49023 Urinalysis: Applications</b>	1	■		■	
<b>CLS 49030 Immunohematology: Theory</b>	2	■		■	
<b>CLS 49031 Immunohematology: Applications</b>	2	■		■	
<b>CLS 49032 Coagulation: Theory and Applications</b>	1	■		■	
<b>CLS 49033 Clinical Hematology: Theory</b>	2	■		■	
<b>CLS 49034 Clinical Hematology: Applications</b>	2	■		■	
<b>CLS 49040 Topics in Lab Management</b>	1	■		■	

### 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
122	42	36*	Kent Core	CHEM 30107	Clinical year	2.000	2.000

\* Students majoring in medical technology are not required to meet the foreign language proficiency requirement.

### 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>	May fulfill diversity requirement	6
<b>Basic Sciences (6-7 credit hours)</b> <i>Must include one laboratory</i>	Fulfilled in this major with BSCI 10110, CHEM 10060, CHEM 10062	0
<b>Additional (6 credit hours)</b>	3-4 credits fulfilled in this major with either BSCI 10120 or MATH 11022; second course <u>must</u> be from Social Sciences category and may fulfill diversity requirement	2-3

**Note:** Students are expected to consult with a medical technology advisor before registering for courses each semester. The fourth year clinical training is NOT guaranteed. It is highly competitive, typically requiring a minimum overall 3.0 GPA.

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

#### Special Major Note:

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 122 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.

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#### **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 (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 [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.

#### **Foreign Language**

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

