

Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
Semester One: [16 Credit Hours]				
Students not placed into MATH 12002 (semester 3) should take MATH 11010 in first year of study				
BSCI 10110 Biological Diversity	4			
CHEM 10060 General Chemistry I	4			Fulfills LER Basic Sciences
CHEM 10062 General Chemistry I Laboratory	1			
ENG 11011 College Writing I <i>or</i> LER Humanities	3			Enrollment based on placement tests; ENG 11011 fulfills LER Composition. Visit www.kent.edu/catalog and search "LER"
US 10097 Destination Kent State: FYE	1			Not required for transfer students with 25 credits
LER Humanities or Fine Arts	3			Should fulfill diversity requirement; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists
Semester Two: [15 Credit Hours]				
BSCI 10120 Biological Foundations	4			
CHEM 10061 General Chemistry II	4			Fulfills LER Basic Sciences
CHEM 10063 General Chemistry II Laboratory	1			
LER Humanities <i>or</i> ENG 11011 College Writing I	3			Enrollment based on placement tests; ENG 11011 fulfills LER Composition. Visit www.kent.edu/catalog and search "LER"
LER Social Sciences	3			
Semester Three: [16-17 Credit Hours]				
BSCI 30140 Cell Biology	4	■		
CHEM 20481 Basic Organic Chemistry I <i>or</i> CHEM 30481 Organic Chemistry	3-4			If CHEM 30481 is taken, must take CHEM 30482 in next semester
CHEM 30475 Organic Chemistry Laboratory I	1	■		
ENG 21011 College Writing II <i>or</i> LER Social Sciences	3			ENG 21011 fulfills LER Composition. Visit www.kent.edu/catalog and search "LER"
MATH 12002 Analytic Geometry and Calculus I	5			Fulfills LER Mathematics and Critical Reasoning
Semester Four: [14-16 Credit Hours]				
BSCI 30005 Career Pathways in Biology	1	■		
BSCI 30156 Elements of Genetics	3	■		
CHEM 20482 Basic Organic Chemistry II <i>or</i> CHEM 30475 Organic Chemistry Laboratory I <i>or</i> CHEM 30482 Organic Chemistry II	1-3			Must take CHEM 30482 if CHEM 30481 taken in previous semester; see note 1 on page 2
CHEM 30476 Organic Chemistry Laboratory II	1	■		
MATH 12003 Analytic Geometry and Calculus II <i>or</i> MATH 30011 Basic Probability and Statistics	3-5			Some medical programs require a full year of calculus; check with the medical school and faculty advisor
LER Social Sciences <i>or</i> ENG 21011 College Writing II	3			ENG 21011 fulfills LER Composition. Visit www.kent.edu/catalog and search "LER" and "diversity" for course lists
General Electives (lower or upper division)	0-2			2 credits required if students take MATH 30011
Semester Five: [15 Credit Hours]				
BSCI 40430 Animal Physiology	3	■		
PHY 13001 General College Physics I <i>or</i> PHY 23101 General University Physics I	4-5			
PHY 13021 General College Physics Laboratory I	0-1			Must be taken with PHY 13001
LER Fine Arts	3			Should fulfill diversity requirement if not satisfied earlier; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists
BSCI Elective (upper division)	4	■		See note 2 on page 2

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
Semester Six: [16 Credit Hours]				
Pre-med students should take the MCAT if they plan to apply in summer or fall of senior year (consult with advisor)				
BSCI 30171 General Microbiology	4	■		
PHY 13002 General College Physics II <i>or</i> PHY 23102 General University Physics II	4-5			
PHY 13022 General College Physics Laboratory II	0-1			Must be taken with PHY 13002
BSCI elective (upper division)	4	■		See note 2 below
General Elective (upper division)	3	■		
Semester Seven: [14-15 Credit Hours]				
BSCI 40163 Organic Evolution	3	■		
BSCI 40600 Writing in the Biological Sciences	1	■	C	Fulfills writing-intensive course requirement
Foreign Language (Elementary I)	4-5			
LER Additional	3			Should fulfill diversity requirement if not satisfied earlier; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists
BSCI Elective (upper division)	3	■		See note 2 below
Semester Eight: [13-14 Credit Hours]				
Foreign Language (Elementary II)	4-5			
LER Additional	3			Should fulfill diversity requirement if not satisfied earlier; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists
BSCI Elective (upper division)	3	■		See note 2 below
General Electives (upper division)	5	■		Number of credits required depends on meeting minimum 121 credit hours and 42 upper-division hours

Graduation Requirements Summary

Total Hours	Upper-Division Hours	Liberal Education Requirements Hours	Diversity Course Global / Domestic	Writing-Intensive	Minimum	
					Major GPA	Overall GPA
121	42	45	LER or General Electives	BSCI 40600	2.0	2.0

Note 1: Students may take CHEM 30284 Introductory Biological Chemistry instead of CHEM 20482 or 30482 with approval from major advisor.

Note 2: BSCI electives (14 credit hours)

Maximum 6 credit hours of any combination of the following may be used to fulfilling this elective:

BSCI 40099 Senior Honors Thesis	1-3	BSCI 40192 Internship in Biological Sciences	3-6
BSCI 40191 Senior Seminar	1	BSCI 40196 Individual Investigation	1-3

The following courses do not count as electives in the Biology major:

BSCI 10001 Human Biology	3	BSCI 30030 Human Physiology	4
BSCI 10002 Life on Planet Earth	3	BSCI 30050 Human Genetics	3
BSCI 20020 Biological Structure and Function	5	BSCI 40020 Biology of Aging	3

Liberal Education Requirements (LER)

Students must complete a minimum 36 credit hours of Liberal Education Requirements. Colleges or degree programs may specify certain courses to fulfill the requirements. Courses in the students' major field will not count toward the completion of any LER. Honors equivalents shall satisfy the LER. None of the courses on the LER list may be taken with a pass/fail grade.

Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic focus and one with a global focus. One course must be from the LER and cannot be in the student's major. The second course may be taken as a second LER; or within a major or minor; or as a general elective; or, with dean's approval, by completing one semester of study in another country.

Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade.

Upper-Division Requirement

In general, baccalaureate programs require the successful completion of at least 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.