

**Critical requirements are boldface in shaded areas**

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
<b>Semester One: [16 Credit Hours]</b>				
Students not placed into MATH 12002 (required in semester 4) should take MATH 11010 (LER course) 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 Fine Arts	3			Enrollment based on placement tests; ENG 11011 fulfills LER Composition. Visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> 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 <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER" and "diversity" for course lists
<b>Semester Two: [15 Credit Hours]</b>				
BSCI 10120 Biological Foundations	4			
CHEM 10061 General Chemistry II	4			Fulfills LER Basic Sciences
CHEM 10063 General Chemistry II Laboratory	1			
LER Fine Arts <i>or</i> ENG 11011 College Writing I	3			Enrollment based on placement tests; ENG 11011 fulfills LER Composition. Visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER"
LER Social Sciences	3			
<b>Semester Three: [14-17 Credit Hours]</b>				
CHEM 20481 Basic Organic Chemistry I <i>or</i> CHEM 30481 Organic Chemistry	3-4			
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			Students may take CHEM 30284 Introductory Biological Chemistry instead of CHEM 20482 or 30482 with major advisor approval
ENG 21011 College Writing II <i>or</i> LER Humanities	3			ENG 21011 fulfills LER Composition. Should fulfill diversity requirement if not satisfied earlier; visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER" and "diversity" for course lists
LER Social Sciences	3			
Organismal Core Course	4			See note 1 on page 2
<b>Semester Four: [15 Credit Hours]</b>				
BSCI 30156 Elements of Genetics	3	■		
MATH 12002 Analytic Geometry and Calculus I	5			Fulfills LER Mathematics and Critical Reasoning
BSCI and/or CHEM and/or PHY electives	4			See note 2 on page 2
LER Humanities <i>or</i> ENG 21011 College Writing II	3			ENG 21011 fulfills LER Composition. Should fulfill diversity requirement if not satisfied earlier; visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER" and "diversity" for course lists
<b>Semester Five: [16-19 Credit Hours]</b>				
MATH 12003 Analytic Geometry and Calculus II <i>or</i> MATH 30011 Basic Probability and Statistics	3-5			
Foreign Language (Elementary I)	4-5			
BSCI and/or CHEM and/or PHY electives	9	■		See note 2 on page 2
<b>Semester Six: [14-16 Credit Hours]</b>				
Foreign Language (Elementary II)	4-5			
BSCI and/or CHEM and/or PHY electives	7	■		See note 2 on page 2
Organismal Core Course	3-4			See note 1 on page 2

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<b>Semester Seven: [14 Credit Hours]</b>				
BSCI 40163 Organic Evolution	3	■		
BSCI 40600 Writing in the Biological Sciences	1	■	C	Fulfills writing-intensive course requirement
LER Additional	3			Visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER" for course lists
BSCI and/or CHEM and/or PHY electives	7	■		See note 2 below
<b>Semester Eight: [9-17 Credit Hours]</b>				
LER Additional	3			Visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER" for course lists
BSCI or CHEM and/or PHY elective	3-4	■		See note 2 below
General Electives (upper division)	3-10	■		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: Organismal core courses** (7-8 credit hours), choose from the following:

BSCI 30275 Local Flora	4	BSCI 40272 Plant Anatomy	4
BSCI 30171 General Microbiology	4	BSCI 40277 Morphology of Lower Plants	4
BSCI 30360 General Ecology	4	BSCI 40430 Animal Physiology	3
BSCI 30560 Invertebrate Zoology	4	BSCI 40556 Vertebrate Zoology	4
BSCI 30580 Entomology	4		

**Note 2: BSCI and/or CHEM and/or PHY electives** (30-31 credit hours\*), choose from the following:

BSCI courses** (in consultation with advisor)	16-31	PHY 13001 General College Physics I (4) <i>and</i> PHY 13021 General College Physics Laboratory I (1)	5
CHEM 20482 Basic Organic Chemistry II <i>or</i> CHEM 30482 Organic Chemistry II	2-3	<i>or</i> PHY 23101 General University Physics I (5)	
CHEM 30475 Organic Chemistry Laboratory I	1	PHY 13002 General College Physics II (4) <i>and</i> PHY 13022 General College Physics Laboratory II (1)	5
CHEM 30476 Organic Chemistry Laboratory II	1	<i>or</i> PHY 23102 General University Physics II (5)	

\*Maximum 4 credit hours of these courses may be satisfactory/unsatisfactory graded.

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

BSCI 30005 Career Pathways in Biology	1	BSCI 40192 Internship in Biological Sciences	3-6
BSCI 40099 Senior Honors Thesis	1-3	BSCI 40196 Individual Investigation	1-3
BSCI 40191 Senior Seminar	1		

### 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 come 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.