

**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 3) 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 Course	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 Course	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 Course <i>or</i> ENG 11011 College Writing I	3			ENG 11011 fulfills LER Composition; 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
LER Course	3			
<b>Semester Three: [16-19 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
BSCI 30140 Cell Biology	4			
ENG 21011 College Writing II <i>or</i> LER Course	3			ENG 11011 fulfills LER Composition. Visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER"
MATH 12002 Analytic Geometry and Calculus I	5			Fulfills LER Mathematics and Critical Reasoning
<b>Semester Four: [14 Credit Hours]</b>				
BSCI 30156 Elements of Genetics	3	■		
BSCI and/or CHEM and/or PHY elective	3	■		See note on page 2
MATH 12003 Analytic Geometry and Calculus II <i>or</i> MATH 30011 Basic Probability and Statistics	3-5			
LER Course <i>or</i> ENG 21011 College Writing II	3			ENG 11011 fulfills LER Composition. Visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER"
General Electives (lower or upper division)	0-2			2 credits required if students take MATH 30011
<b>Semester Five: [16-17 Credit Hours]</b>				
Foreign Language (Elementary I)	4-5			
LER Course	3			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
BSCI and/or CHEM and/or PHY electives	9			See note on page 2
<b>Semester Six: [15-16 Credit Hours]</b>				
Required for pre-med students: MCAT if they plan to apply in summer or fall of senior year (consult with advisor)				
BSCI 40158 Molecular Biology	3	■		
Foreign Language (Elementary II)	4-5			
BSCI and/or CHEM and/or PHY electives	8	■		See note 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 Course	3			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
BSCI and/or CHEM and/or PHY electives	8	■		See note below
<b>Semester Eight: [10-16 Credit Hours]</b>				
LER Course	3			Visit <a href="http://www.kent.edu/catalog">www.kent.edu/catalog</a> and search "LER" for course list
BSCI and/or CHEM and/or PHY electives	3	■		See note 2 below
General Electives (upper division)	4-10	■		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	Minimum Overall GPA
121	42	45	LER or General Electives	BSCI 40600	2.0	2.0

**Note:** **BSCI and/or CHEM and/or PHY electives** (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>	5
CHEM 20482 Basic Organic Chemistry II <i>or</i> CHEM 30482 Organic Chemistry II	2-3	PHY 13021 General College Physics Laboratory I (1) <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>	5
CHEM 30476 Organic Chemistry Laboratory II	1	PHY 13022 General College Physics 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.

\*\* BSCI 40430 Animal Physiology is recommended for pre-med students to help with material for MCAT.

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.